

STEREO CASSETTE RECEIVER

KRC-254D/L/N

SERVICE MANUAL

KENWOOD

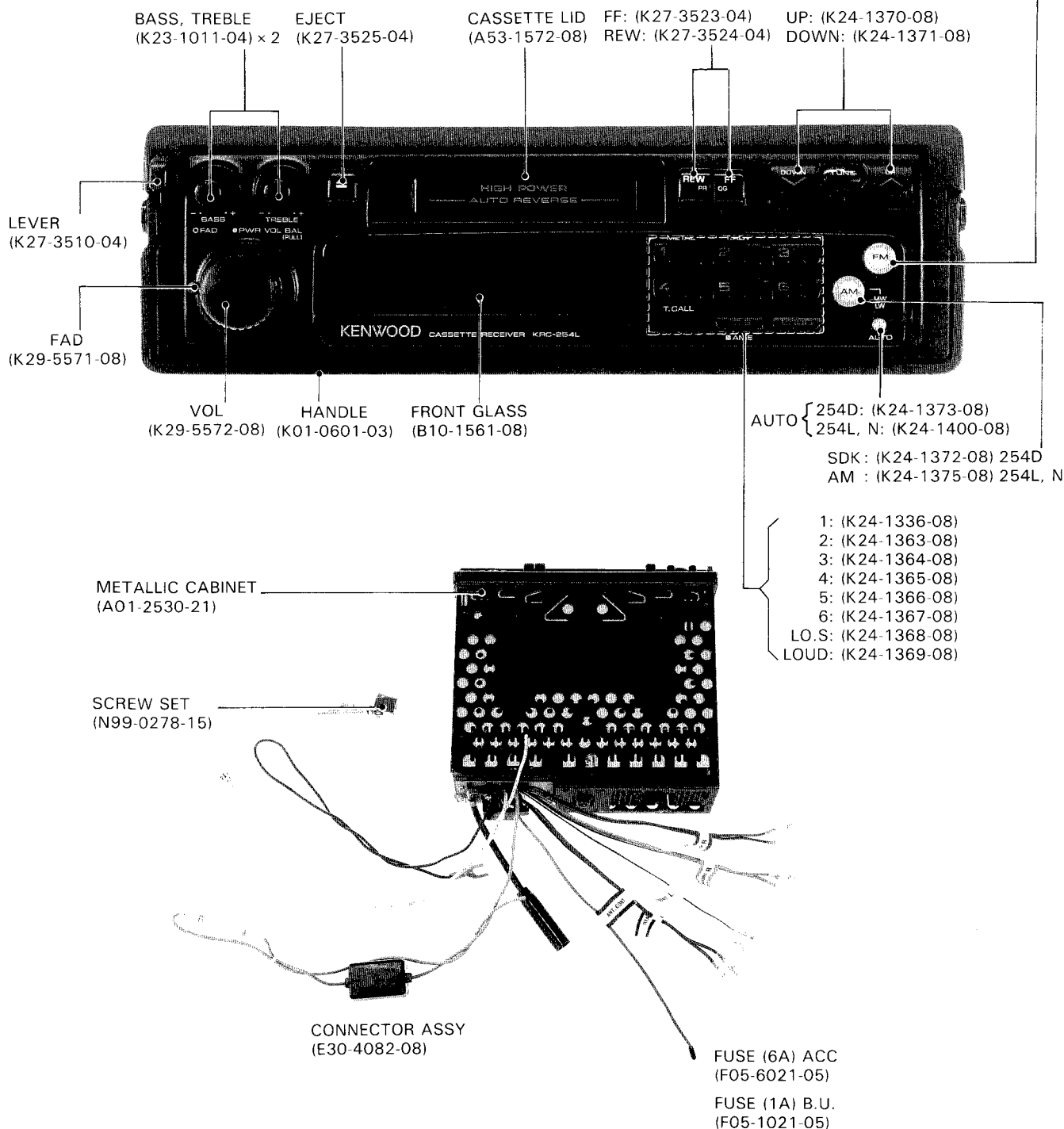
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PANEL ASSY { 254D : (A64-0138-08)
254L : (A64-0139-08)
254N : (A64-0141-08)

ESCUTCHEON ASSY
(B07-2014-42)

*Photo is KRC-254L

BAND: (K24-1337-08) 254D
FM : (K24-1374-08) 254L, N

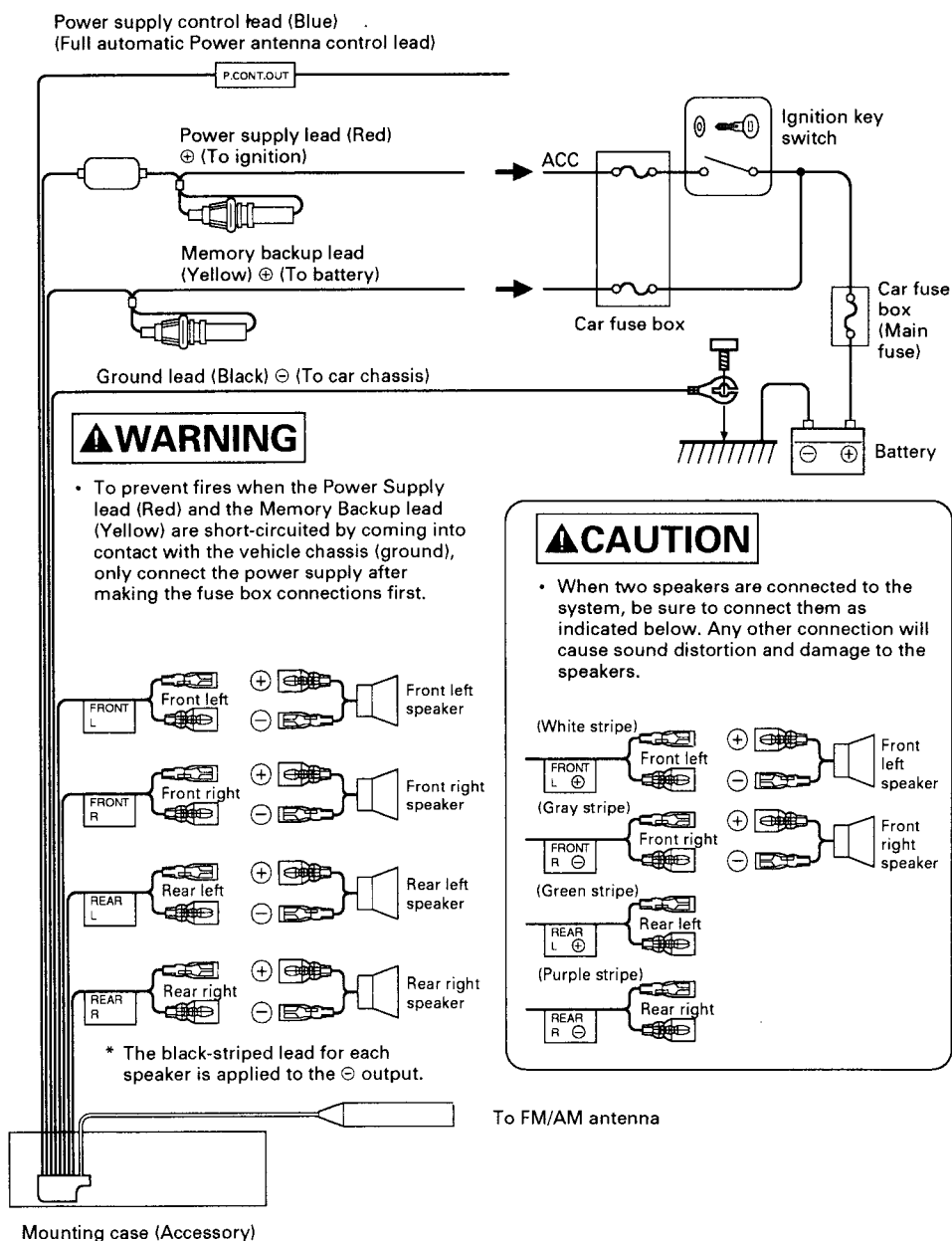


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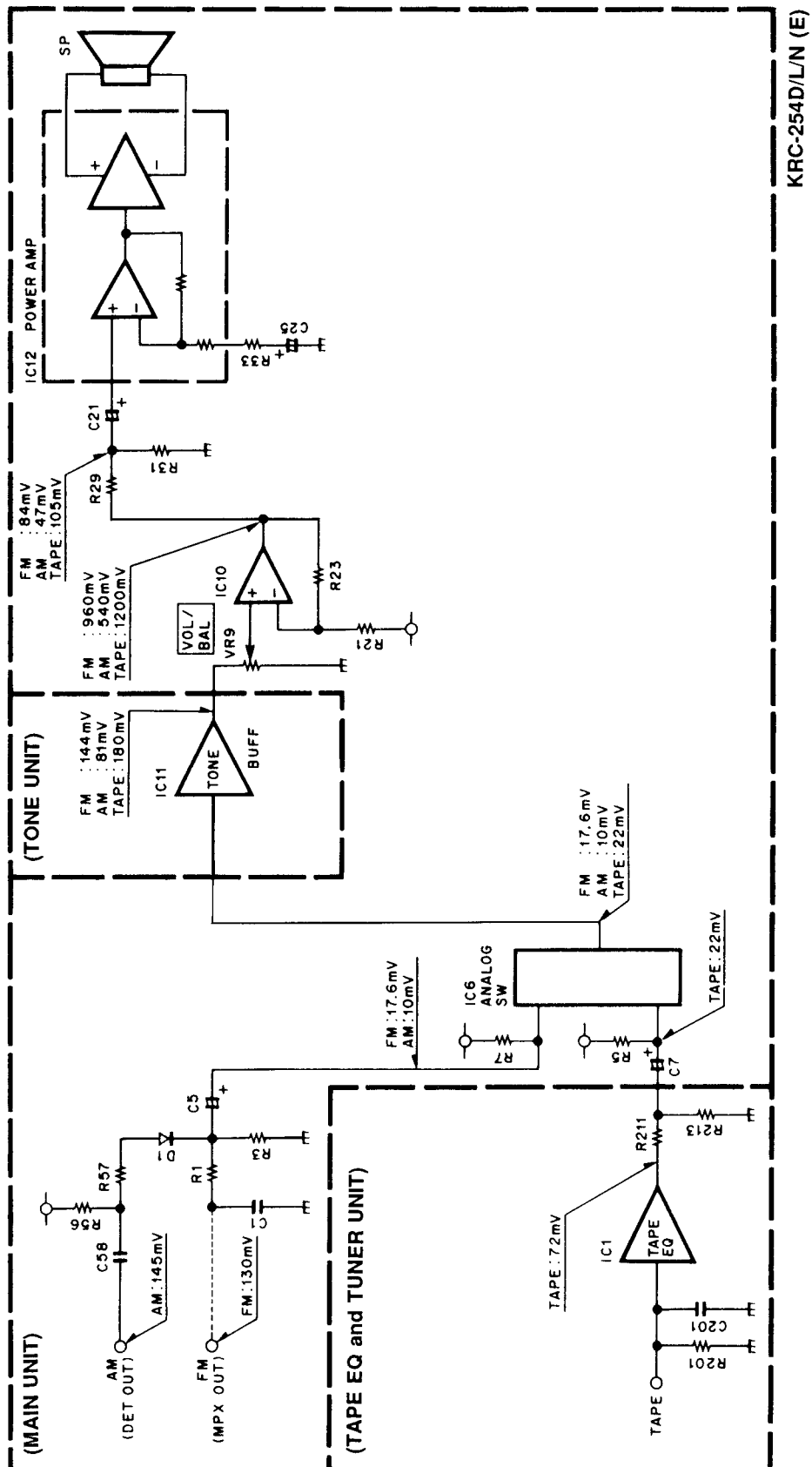
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CONNECTIONS



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BLOCK LEVEL DIAGRAM



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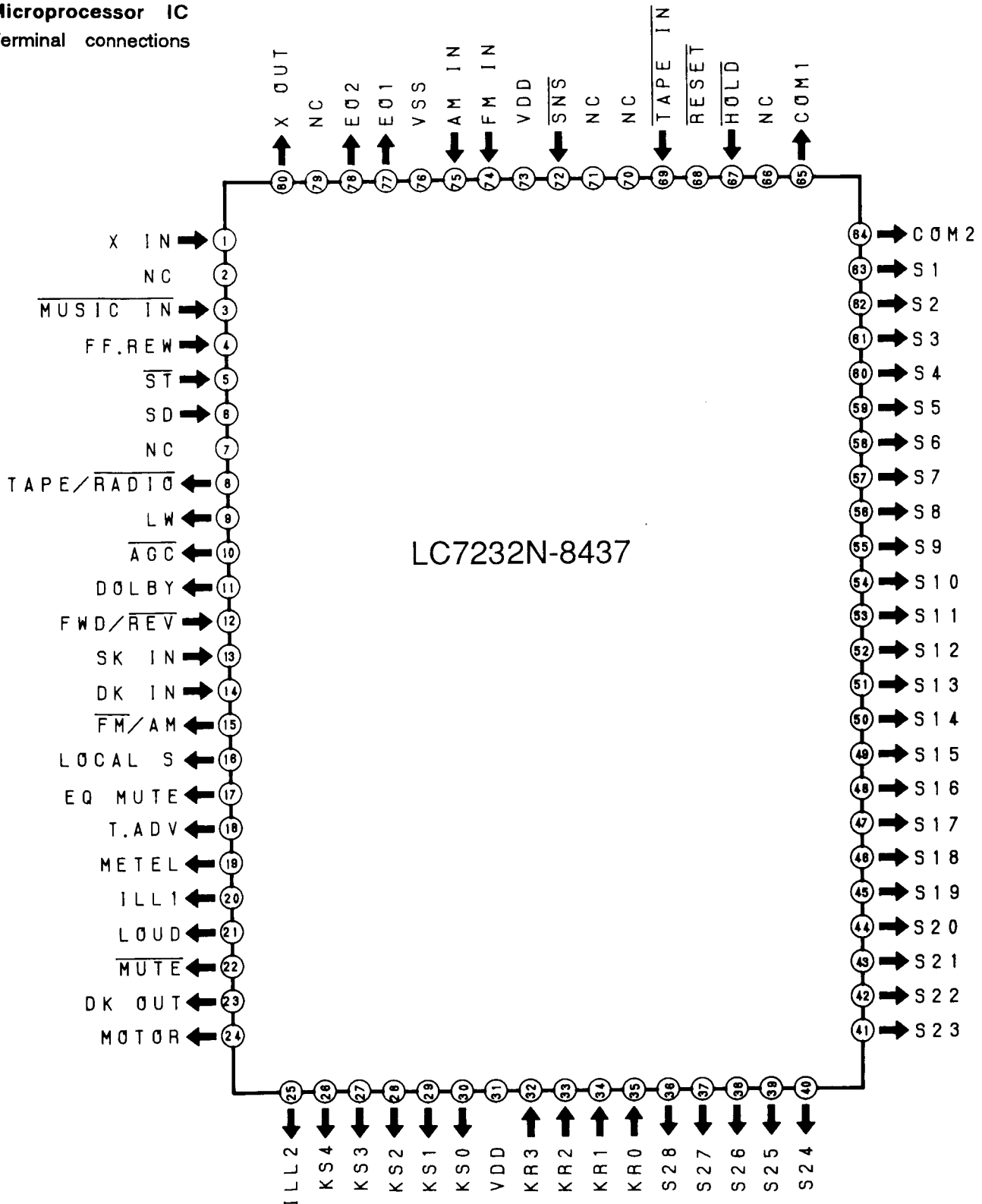
CIRCUIT DESCRIPTION

Device	Purpose, Function	Operation, Condition, Compatibility
IC1	TAPE EQ AMP	
IC2	FM IF AMP	FM IF signal amplification
IC3	FM MPX N.C	Stereo demodulation/noise canceller
IC4	SDK	Demodulation/and detection of BK/DK signal
IC5	SDK IC input buff and BK B.P.F.	
IC6	ANALOG SW	Switching between TAPE/RADIO modes
IC9	μ-COM	Key controls, PLL, LCD drive
IC10	PWR and PRE Amp input buff	
IC11	TONE control	Boost cut of bass and treble
IC12	PWR AMP	
Q1	FM Local/DX sw	
Q2	BS sw for AM	
Q3	AM AGC CUT sw	
Q7	TAPE Mute INH	Pop noise prevention during tape eject
Q8	TAPE/RADIO signal sw	
Q10	FF, REW DET inv	
Q11	SD (FM) inv	
Q12	SD (AM) inv	
Q13	Error lighting prevention sw of SK lamp	
Q14, 15	AVR for ILL	Darlington
Q20	PLL LPF	L.P.F for FM, AM Vt
Q21	VOL Boost sw Driver	
Q22	Loud sw Driver	Turns on to drive Q 29, 30 during Loud.
Q23	Mute sw	
Q24	Mute Driver	
Q25	Audio Mute	
Q26		
Q27	VOL Boost sw	
Q28		
Q29	Loud control sw	
Q30		
Q32	ACC detection	When ACC level decreases or ACC is turned off, eject mute is output.
Q33	Motor Driver sw	
Q34	Motor Driver	
Q35	Plunger Drive sw	Detects an interval between tunes with IC1 and turns on Q36 with μ-COM control.
Q36	Plunger Driver	
Q41	Power Amp Standby sw	
Q42	FM band muting sw	
Q51	FM IF Amp	Amplification of IF signal from front end
Q52	SD Buff	
Q53	CRSC Driver	
Q54	ANRC Buff	
Q55	AFC sw	

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CIRCUIT DESCRIPTION

LC7232N-8437 : IC9
Microprocessor IC
Terminal connections



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CIRCUIT DESCRIPTION

2. Terminal Description

No.	Pin Name	I/O	Function	Description	B.U
3	PG 3	I	MUSIC	Blank (non-recorded section) detection input. "H" = Blank.	X
4	PG 2	I	FF, REW	Tape fast winding status detection input.	X
5	PG 1	I	ST	Stereo broadcast signal detection input. "L" = Stereo.	X
6	PG 0	I	SD	Station signal detection input.	X
7	PH 3	O	BZ	Buzzer output (4.4 kHz).	Hi_Z
8	PH 2	O	TAPE/RADIO	Tape/radio audio switching output.	Hi_Z
9	PH 1	O	LW	LW band switching output.	Hi_Z
10	PH 0	O	AGC	AGC cut control output.	Hi_Z
11	PF 3	O	DOLBY	Dolby circuit control output.	InX
12	PF 2	I	FWD/REV	Tape transport direction detection input.	InX
13	PF 1	I	SK	SK signal detection input.	InX
14	PF 0	I	DK-IN	DK signal detection input.	InX
15	PE 3	O	FM/AM	FM/AM band control output.	InX
16	PE 2	O	LOCAL	Local sensitivity control output.	InX
17	PE 1	O	EQ-MUTE	Tape equalizer muting control output.	InX
18	PE 0	O	T-ADV	Mechanism control output for releasing the tape fast winding status when MUSIC IN = "H" during tape advance.	InX
19	PD 3	O	METAL	Tape equalizer control output.	Hi_Z
20	PD 2	O	ILL	Illumination color control output.	Hi_Z
21	PD 1	O	LOUD	Loudness control output.	Hi_Z
22	PD 0	O	MUTE	Audio muting control output.	Hi_Z
23	PC 3	O	DK-OUT	Volume increase control output during DK interrupt.	Hi_Z
24	PC 2	O	MOTOR	Mechanism motor control output.	Hi_Z
25	PC 1	O	ILL 2	Illumination color output (inverted ILL1).	Hi_Z
26	PC 0	O	KS 4	Key source output for initialization.	Hi_Z
27-30	PB 3-0	O	KS 3~0	Key source outputs.	Hi_Z
31	Vdd	—	Vdd	5 V	
32-35	PA 3-0	I	KR3 ~0	Key return inputs.	X
36-63	S 28-1	O	SEG 28~1	LCD segment outputs.	L
64, 65	COM 2, 1	O	COM 2, 1	LCD common outputs.	L
66	INT	I	(N.C.)	(Connected to GND.)	
67	HOLD	I	PWR	Power SW input.	
68	RES	I	RESET	(Connected to Vdd.)	
69	ADI	I	TAPE-IN	(Vth = 2.5 V) Tape detectin input. "L" = Tape mode.	
70	HCTR	I	(N.C.)	(Connected to GND.)	
71	LCTR	I	(N.C.)	(Connected to GND.)	
72	SNS	I	SNS	Power failure input.	
73	Vdd	—	Vdd	5 V	
74, 75	FM, AM IN	I	FM IN, AM IN	VCO input.	
76	Vss	—	Vss	(Connected to GND.)	
77, 78	EO1, 2	O	EO 1, 2	Phase detector error output.	
79, 2	TEST 1, 2	I	TEST 1, 2	(Connected to GND.)	
80, 1	XOUT, IN	I/O	X OUT, IN	4.5 MHz X'tal output/input.	

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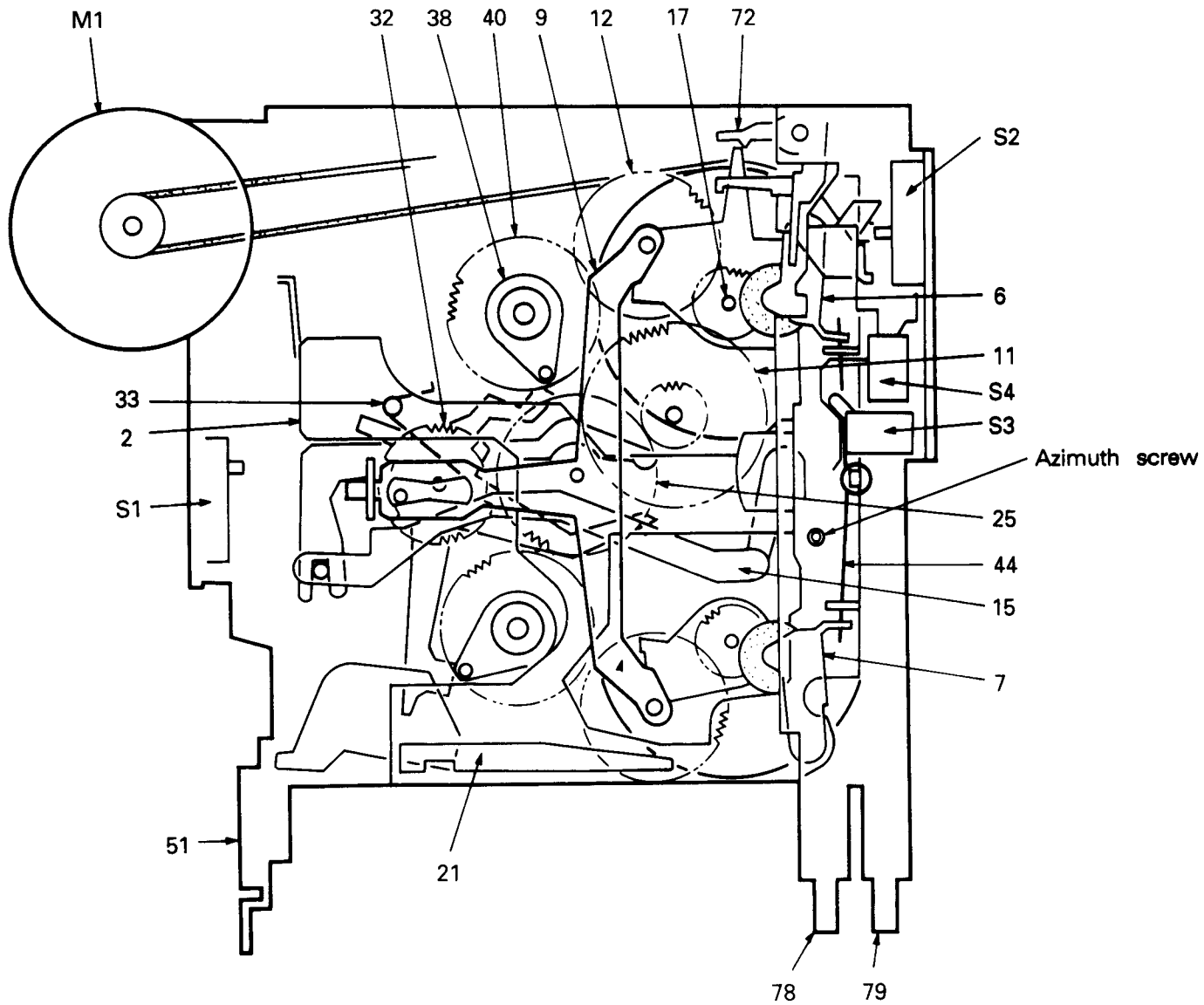
CIRCUIT DESCRIPTION

Key Matrix (MAIN UNIT)

	KR0	KR1	KR2	KR3	
KS0	D : Band LN : FM	D : SDK LN : AM	AUTO	LOUD	} Momentary keys
KS1	Radio : 1 Tape : MTL	Radio : 2 Tape : T-ADV	Radio : 3	Radio : 4 Tape : T.C	
KS2	5	6	UP	DOWN	
KS3	LOC.S/AME				} Initial setting

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MECHANISM DESCRIPTION

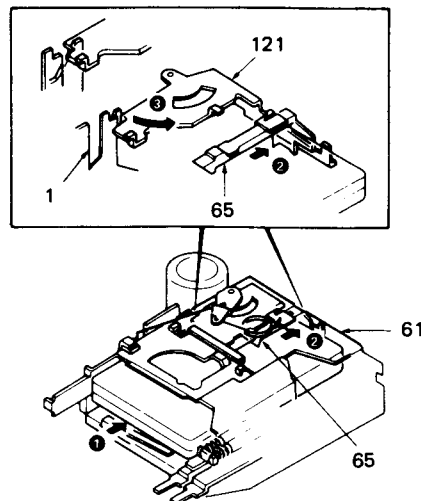


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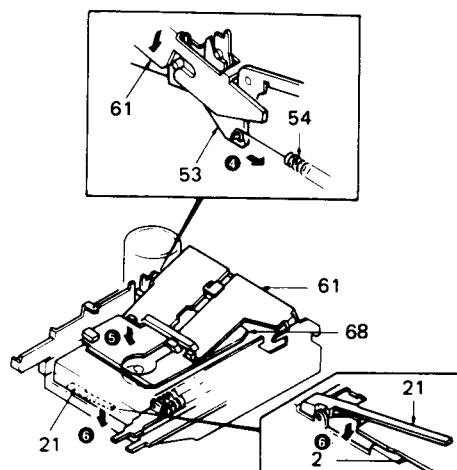
MECHANISM DESCRIPTION

LOADING/PLAY

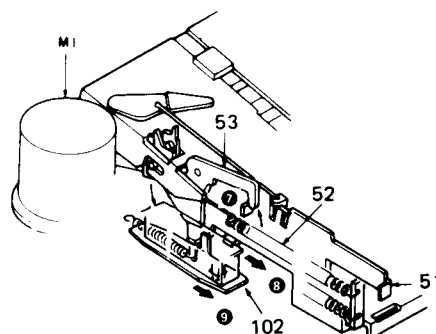
1. Insert a cassette tape (❶).
2. The cassette guide (65) pushes to lever (reverse [121]) (❷).
3. The lever (reverse [121]) turns in the direction of the arrow and releases the lock of the holder (action plate [61]) (❸).



4. Through the lock release of the lever (reverse [121]), the arm (action [53]) is pulled by the tension spring (54), which turns the holder (action plate [61]). The holder (action plate) descends (❹).
5. Through the descent of the holder (action plate [61]), the holder (cassette case [68]) also descends (❺).
6. As the holder (cassette case [68]) descends, the cassette tape pushes the lever (lock plate [21]). The lever (lock plate [21]) then releases the lock of the lever assembly (head plate [2]) (❻).



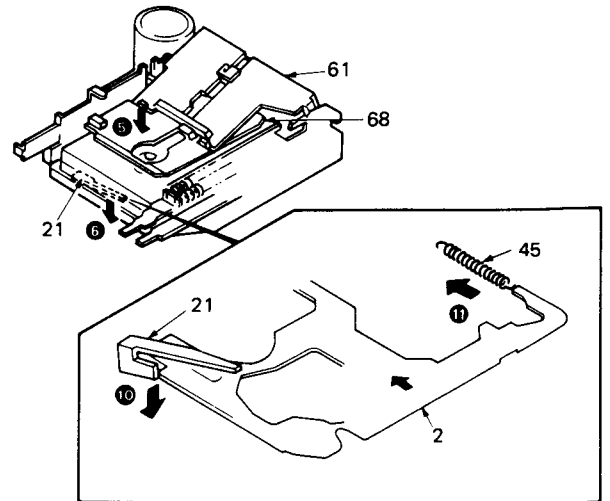
7. As the arm (action [53]) turns, the lock of the lever assembly (eject [51]) is released (❼).
8. The lever assembly (eject [51]) is pulled by the tension spring (52) and moves forward (❽).
9. Through the movement of the lever assembly (eject [51]), the lever (102) also moves forward and turns on the slide switch S1. As the slide switch S1 is turned on, electricity is supplied to the motor assembly (M1) (❾).



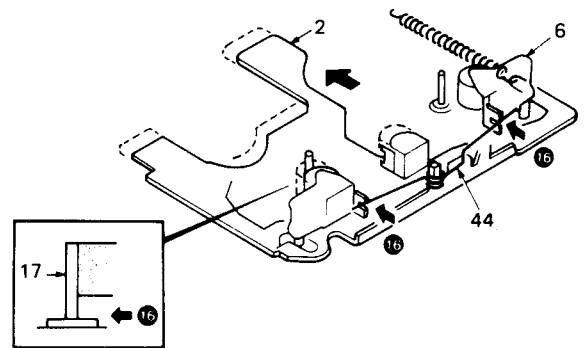
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MECHANISM DESCRIPTION

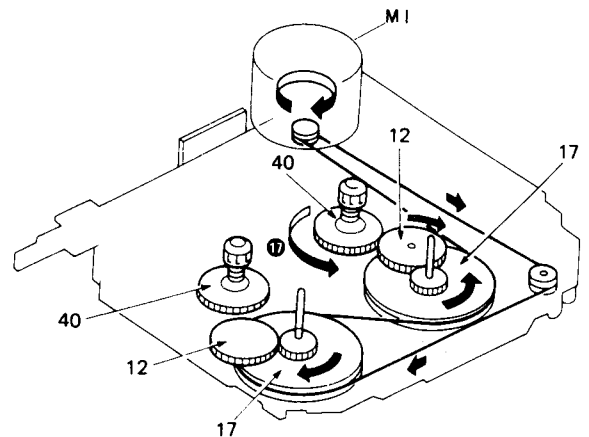
10. As the holder (cassette case [68]) descends, the cassette tape pushes the lever (lock plate [21]) then releases the lock of the lever assembly (head plate [2]) (10).
11. The lever assembly (head plate [2]) is pulled by the tension spring (45) and moves forward (11).



12. Through the forward movement of the lever assembly (head plate [2]), pinch roller assembly (6) make close contact with the shaft of the flywheel (17) through the formed wire spring (44) (16).



13. The rotation is transmitted from each gear (17-12) to the reel base (40) of the take-up side (17).

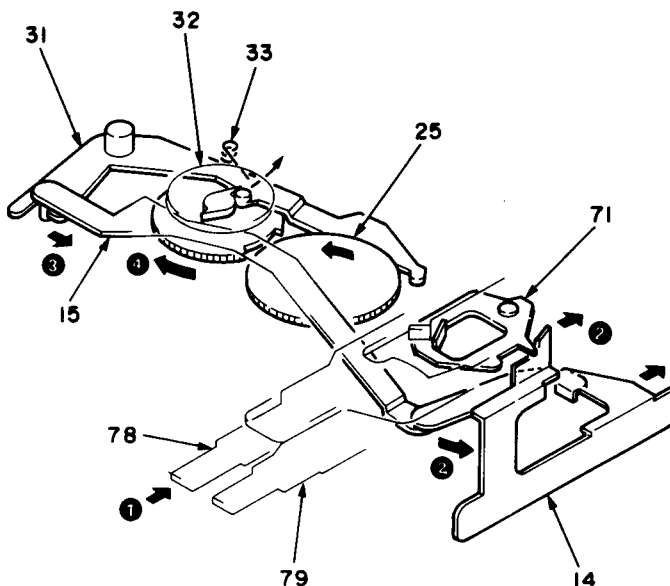


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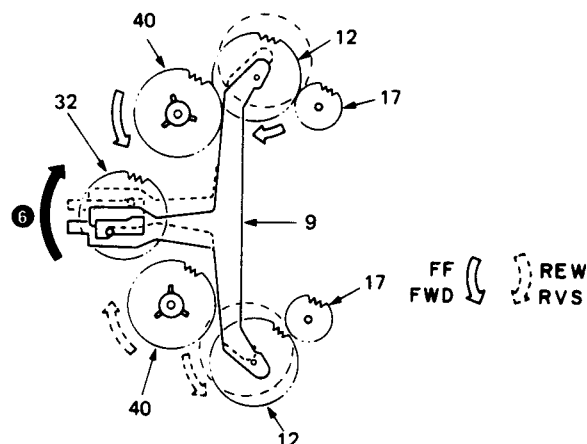
MECHANISM DESCRIPTION

PROGRAM

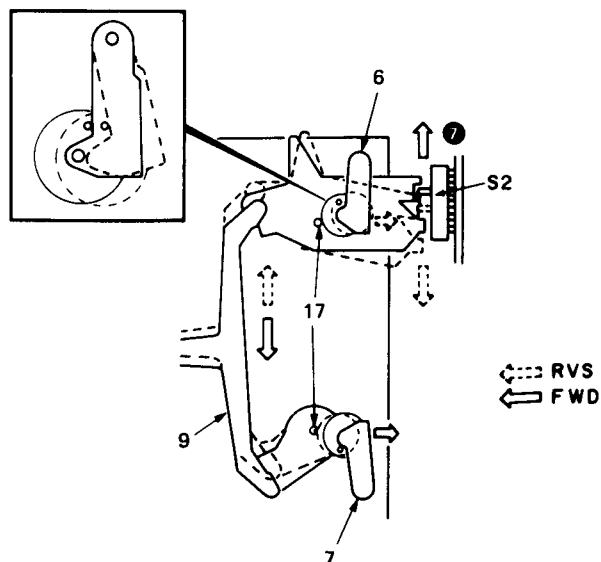
1. Push the FF and REW levers simultaneously (1).
2. The arm assembly (15) moves toward the right (2).
3. The lever (31) is pulled (3), and the changeover gear (32) is unlocked.
4. The changeover gear is pushed by the torsion spring (33), and engaged with the cam gear (25) (4).
5. The changeover gear (32) is rotated by a half turn and locked with the lever (31) again.



6. The movement of the boss of the changeover gear (32) moves the changeover arm (9) (6).



7. When the changeover arm (9) moves, the drive direction of the reel base (40), head switch (S2) and pinch roller is switched between FWD and RVS (7).

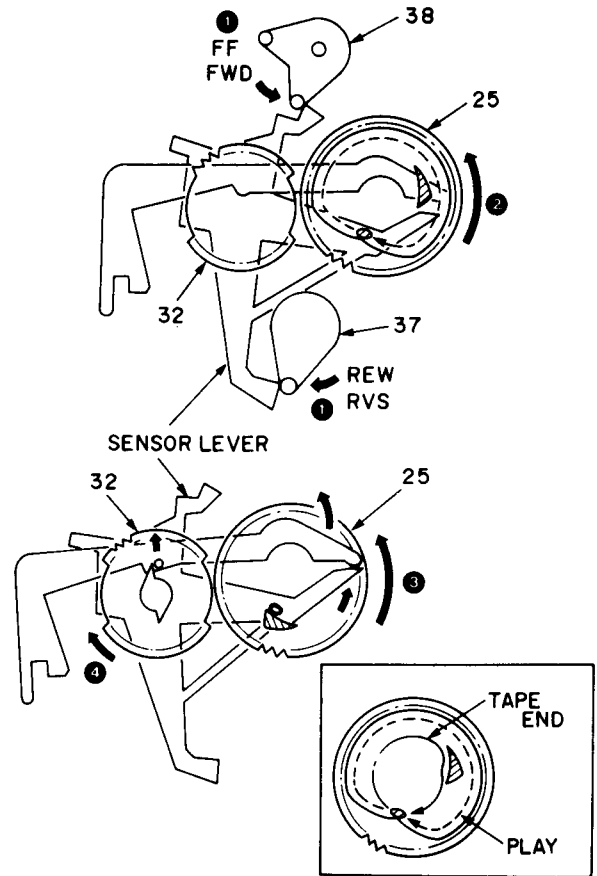


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MECHANISM DESCRIPTION

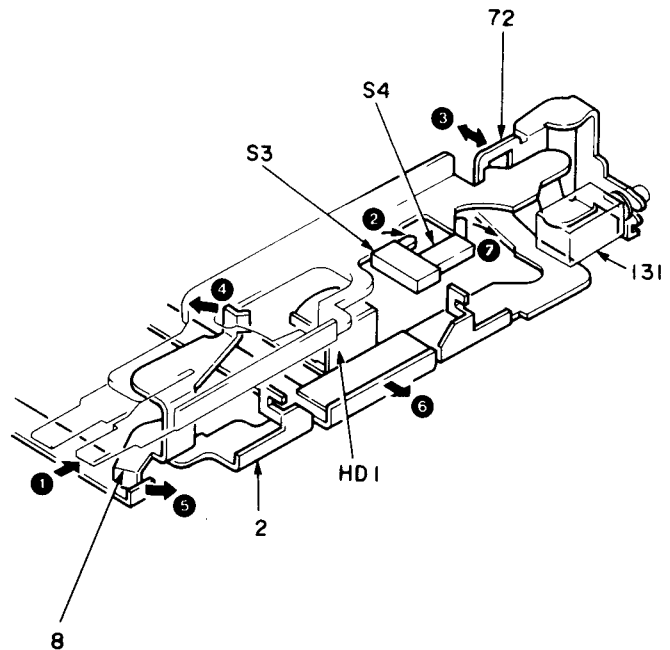
AUTO REVERSE

1. When the reel base (40) stops rotation at the end of tape, the arm (38) stops pushing the sensor lever (1).
2. The sensor lever is engaged with the cam projection of the cam gear (25) and carried until the intermediate point of the cam gear (2).
3. Then, the sensor lever is carried by the triangular boss of the cam gear (25) and pushes the lock lever (3).
4. When the lock lever is pushed, the changeover gear rotates and the program operation starts (4).



FF

1. Push the lever FF (79) (1).
2. Pushing the lever FF (79) closes the leaf switch (S3) and muting is applied (2).
3. The lever FF (79) is locked by the arm (72) (3).
4. By pushing the lever FF (79), the lever (8) is pushed in the direction of arrow (4).
5. Through being pushed, the lever (8) moves the lever assembly (head plate (2)) backward a little (5). The playback head (HD1) and pinch roller also moves backward a little.
6. The rotation of the reel base (40) is high-speeded by the speed selector switch (S4) (6).
7. In the operation of T.ADV, electricity is supplied to the solenoid (131), which attracts the arm (FR release (72)). The lock on the arm (FR release (72)) is released, FF is released and FWD PLAY is engaged.

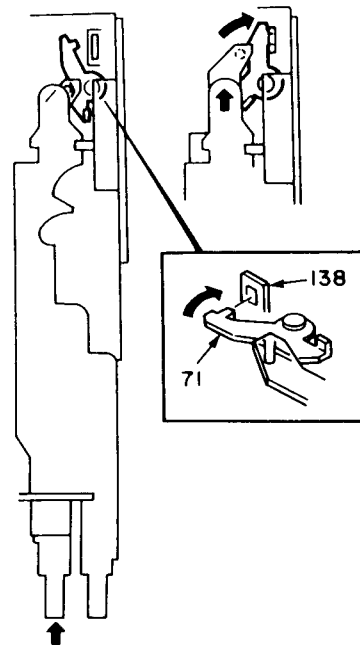
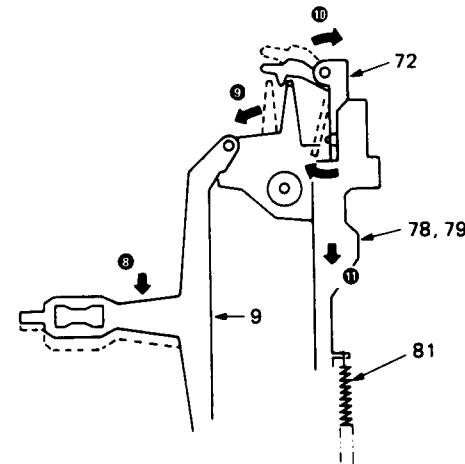
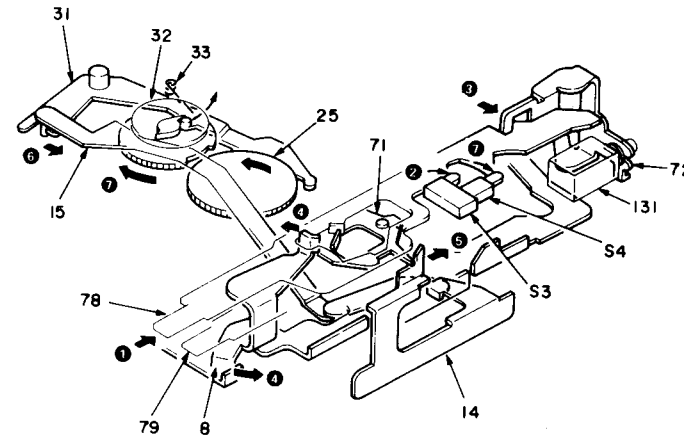


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MECHANISM DESCRIPTION

REW

1. Push the lever REW (78) (1).
2. Pushing the lever REW (78) closes the leaf switch (S3) and muting is applied (2).
3. The lever REW (78) is locked by the arm (72) (3).
4. By pushing the lever REW (78), the lever (8) is pushed in the direction of arrow (4).
5. Through being pushed, the lever (8) moves the lever assembly (head plate [2]) backward a little (5). Through the backward movement of the lever assembly, the playback head (HD1) and pinch roller (7) also moves backward a little.
6. This time, the lever REW (78) moves the arm assembly (15) and PROGRAM operation is engaged (6).
7. The rotation of the reel base (40) is high-speeded by the speed selector switch (S4) (7).
8. At the tape end during the operation of REW, the end sensor is activated, and the changeover arm (9) moves the arm (72) during the operation of PROGRAM (8) (9) (10). The lever REW (78) is released (11).
9. To release REW, slightly depress the lever FF (79).
10. By depressing the lever FF (79), the arm (72) moves, and the lever REW (78) returns by the tension spring (81) (11).
11. In the operation of T.ADV, electricity is supplied to the solenoid (131), which attracts the arm (FR release [72]). The lock on the arm (FR release [72]) is released, REW is released, and RVS PLAY is engaged.
12. In the channel select operation of this time, the actuator (138) is locked with a hook (71) so that the head select switch does not switch.

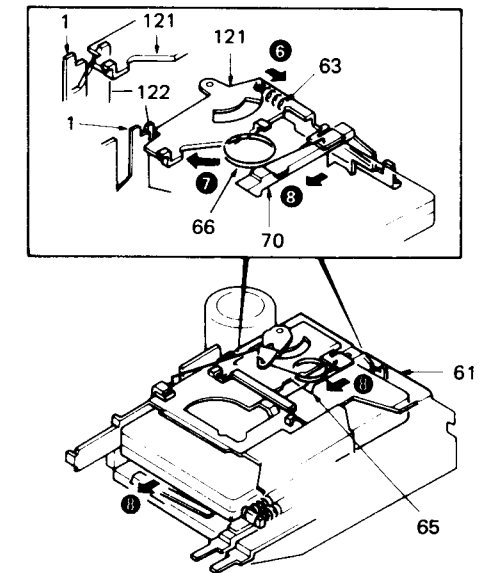
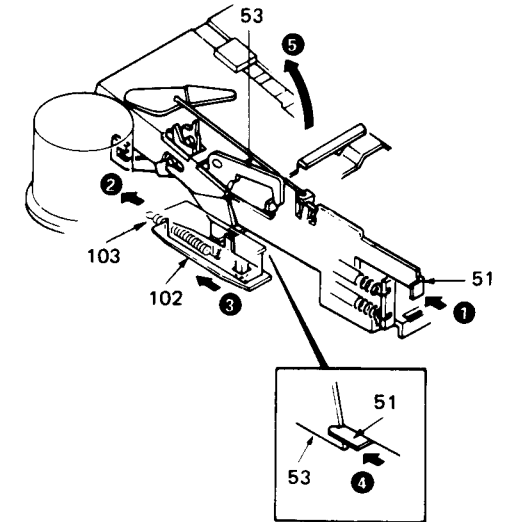


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MECHANISM DESCRIPTION

EJECT

1. Push the lever assembly eject (51) (1).
2. By pushing the lever assembly eject (51), the tension spring (103) pushes the lever (102) (2).
3. Though pushing the lever (102), the slide switch (S1) is turned off, and the lever assembly (head plate [2]) moves backward (3).
4. The lever assembly eject (51) pushes and turns the arm (action [53]) (4).
5. By turning, the arm (action [53]) pushes up the holder (action plate [61]) (5).
6. When the holder (action plate [61]) is pushed up, the lever (reverse [121]) is pulled by the tension spring (63) and turns (6).
7. In turning, the lever (reverse [121]) is put on the lever of the mechanism chassis (122) (7).
8. The cassette guide (65) is pushed forward by the torsion coil spring (66), and the cassette tape is ejected (8).



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ADJUSTMENT

Set the controls and switches as follows.
BALANCE :center position LOUD :OFF LOCAL :OFF
FADER :center position T. ADV :OFF AUTO :OFF
BASS :center position METAL :OFF
TREBLE :center position DOLBY NR :OFF

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER(RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 0 dev 60dBμ(ANT input)	Connect the DC voltmeter between pins of TP1.(TAPE EQ and TUNER UNIT)	FM 98.1MHz	T1 (TAPE EQ and TUNER UNIT)	0V	(a)
2	SEPARATION	(C) 98.1MHz 1kHz,±40kHz dev Pilot:±7.5kHz dev Selector:L or R 60dBμ(ANT input)	(B)	FM 98.1MHz	VR7 (TAPE EQ and TUNER UNIT)	Adjust it so that the crosstalk from L to R and R to L become minimum.	
3	ANRC	(C) 98.1MHz 1kHz,±40kHz dev Pilot:±7.5kHz dev Selector:L or R 35dBμ(ANT input)	(B)	FM 98.1MHz Connect a lerd wire between TP3 and GND	VR6 (TAPE EQ and TUNER UNIT)	Separation 10dB	
4	SEEK STOP LEVEL	(A) 98.1MHz 1kHz,±40kHz dev 20dBμ(ANT input)	Connct the DC voltmeter to TP6.(MAIN UNIT)	FM SEEK:ON 98.1MHz	VR5 (TAPE EQ and TUNER UNIT)	Low→High(Voltage) (Seek stop)	
5	VCO	(A) 98.1MHz 0 dev 60dBμ(ANT input)	Connect a frequency coun-ter to TP2 and GND.(TAPE EQ and TUNER UNIT)	FM 98.1MHz Connect a R(180KΩ) between TP2 and GND (TAPE EQ and TUNER UNIT)	VR8 (TAPE EQ and TUNER UNIT)	19KHz	(b)
SDK SECTION (Only KRC-254D)							
6	DK LEVEL	(E) 98.1MHz 0 mod SK 5.33% DK 30% BK 60% 60dBμ(ANT input)	Connect a AC voltmeter to TP4 (MAIN UNIT)	FM 98.1MHz SDK:OFF	L4 VR2 (MAIN UNIT)	Maximum	(d)
AM SECTION							
(1)	SEEK STOP LEVEL	(D) 999kHz 400Hz,30% mod 35dBμ(ANT input)	Connect the DC voltmeter to TP6.(MAIN UNIT)	AM 999kHz	VR1 (MAIN UNIT)	Low→High(Voltage) (Seek stop)	
CASSETTE DECK SECTION							
[1]	AZIMUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each L CH/R CH or FWD/RVS becomes maximum.	

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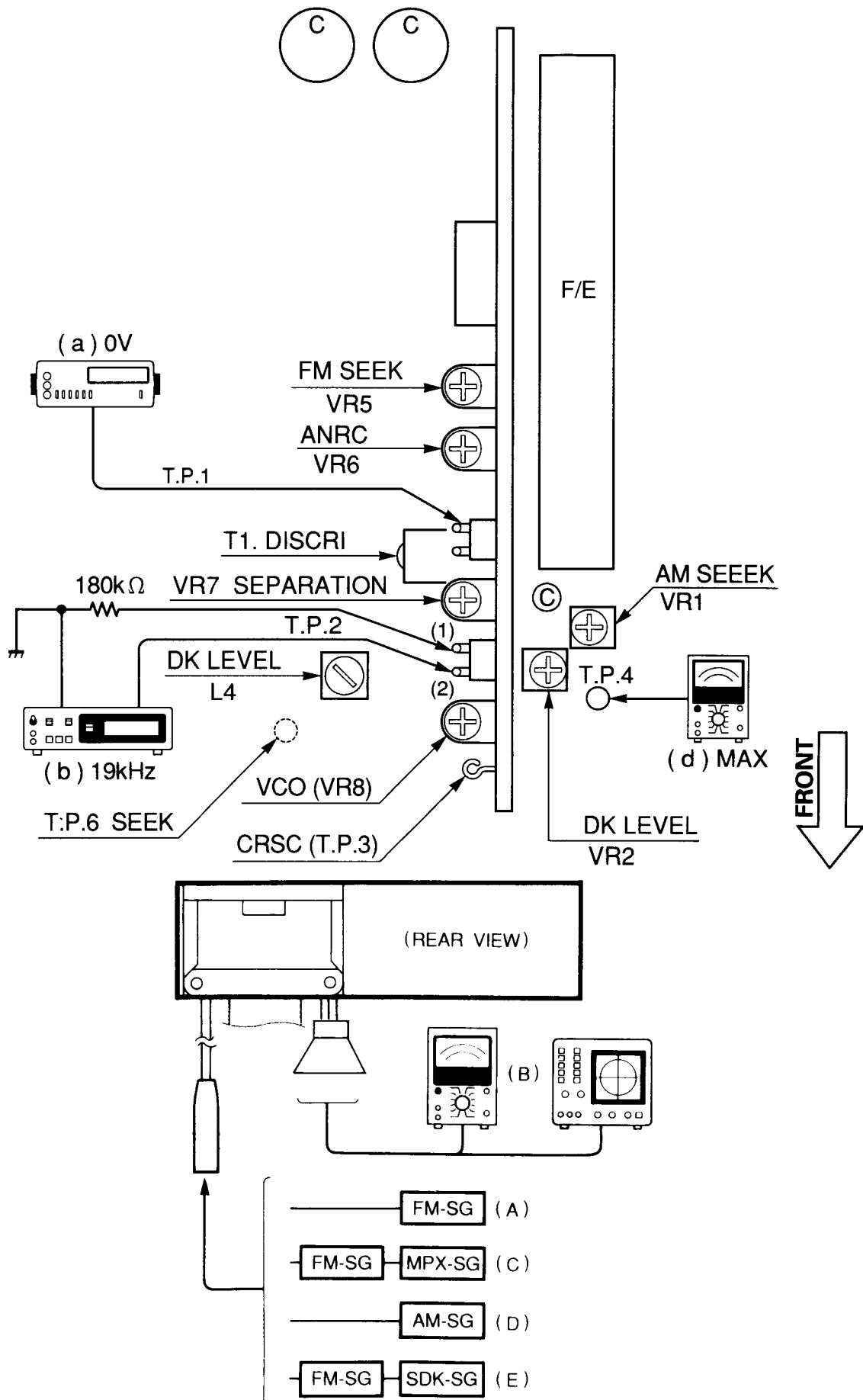
ABGLEICH

Die Regler und Schalter wie folgt einstellen.
BALANCE : Mittenposition LOUD : aus LOCAL : aus
FADER : Mittenposition T. ADV : aus AUTO : aus
BASS : Mittenposition METAL : aus
TREBLE : Mittenposition DOLBY NR : aus

Nr.	GEGENSTAND	EINGANGSEIN- STELLUNGEN	AUSGANGSEIN- STELLUNGEN	TUNER-(RECEIVER-) EINSTELLUNGEN	ABGLEICHPUNKTE	ABGLEICHEN AUF	ABB.
UKW-TEIL							
1	DISCRIMINATOR (DISKRIMINATOR)	(A) 98,1MHz 0 Hub 60 dBμ (ANT-Eingang)	Das Gleichstro- movoltmeter zwischen den Stiften von TP1. (TAPE EQ and TUNER UNIT) anschießen.	FM (UKW) 98,1MHz	T1 (TAPE EQ and TUNER UNIT)	OV.	(a)
2	SEPARATION (TRENNUNG)	(C) 98,1MHz 1kHz,±40kHz Hub Pilotsignal : ±7,5kHz Hub Wähler : L oder R 60 dBμ (ANT-Eingang)	(B)	FM (UKW) 98,1MHz	VR7 (TAPE EQ and TUNER UNIT)	So einstellen, daß das Übersprechen von L zu R und R zu L minimal wird.	
3	ANRC	(C) 98,1MHz 1kHz, ±40kHz Hub Pilotsigal, ±7,5 kHz Hub Wähler : L oder R 35 dBμ (ANT-Eingang)	(B)	FM (UKW) 98,1 MHz Einen Zuleitungsdraht zwischen TP3 und GND anschießen.	VR6 (TAPE EQ and TUNER UNIT)	Trennung 10 dB	
4	SEEK STOP LEVEL (SUCHLAUF- STOPPEGBL)	(A) 98,1MHz 1kHz, ±40 kHz Hub 20dBμ (ANT-Eingang)	Das Gleichs- tromvoltmeter an TP6 (MAIN UNIT) anschießen.	FM (UKW) SUCHLAUF : ein 98,1 MHz	VR5 (TAPE EQ and TUNER UNIT)	niedrig -- hoch (Spannung) (Suchlaufstopp)	
5	VCO	(A) 98,1MHz 0 Hub 60 dBμ (ANT-Eingang)	Einen Frequenzzähler an TP2 und GND anschießen. (TAPE EQ and TUNER UNIT)	FM (UKW) 98,1MHz Einen Widerstand (180 kΩ) zwischen TP2 und GND anschließen (TAPE EQ and TUNER UNIT)	VR8 (TAPE EQ and TUNER UNIT)	19kHz	(b)
SDK-TEIL (nur KRC-254D)							
6	DK LEVEL (DK-PEGEL)	(E) 98,1MHz 0Mod. SK 5,33% DK 30% BK 60% 60 dBμ (ANT-Eingang)	Ein Wechseis- tromvoltmeter an TP4 anschließen (MAIN UNIT)	FM (UKW) 98,1 MHz SDK : aus	L4 VR2 (MAIN UNIT)	maximum	(d)
MW-TEIL							
(1)	SEEK STOP LEVEL (SUCHLAUF- STOPPEGBL)	(D) 999kHz 400Hz, 30% Mod. 35 dBμ (ANT-Bingang)	Das Gleich- stromvoltmeter an TP6 (MAIN UNIT) anschießen.	AM (MW) 999 kHz	VR1 (MAIN UNIT)	niedrig -- hoch (Spannung) (Suchlaufstopp)	
KASSETTENDECK-TEIL							
	AZIMUT	MTT-114 10kHz	(B)	KASSETTEN- WIEDERGARE	Kopfazimutschraube	Den Azimut so einstellen, daß er für den linken/rechten känal oder Vorwärts/Rückwärts jeweils maximal wird.	

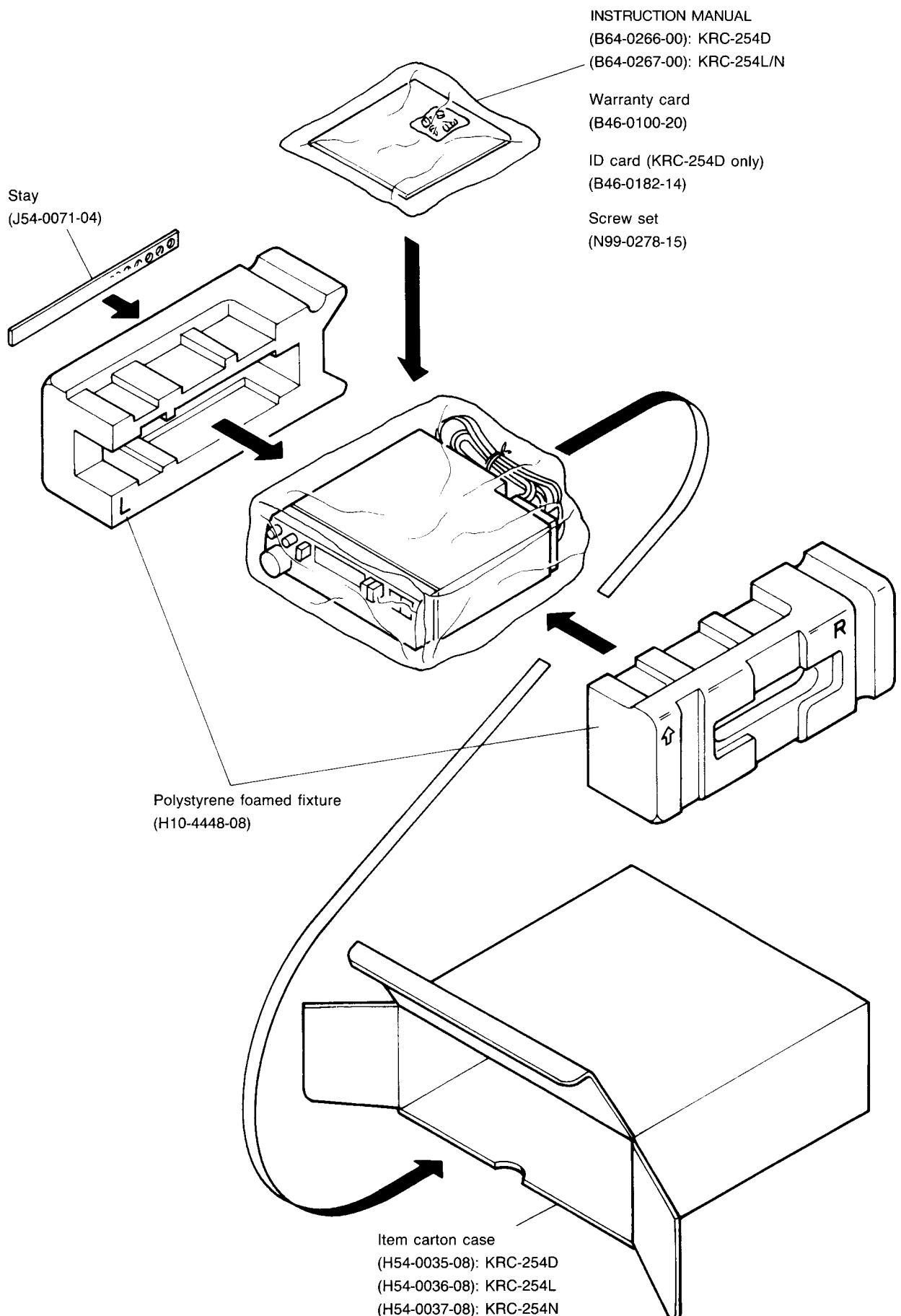
KRC-254D/L/N

ADJUSTMENT



KRC-254D/L/N

PACKING

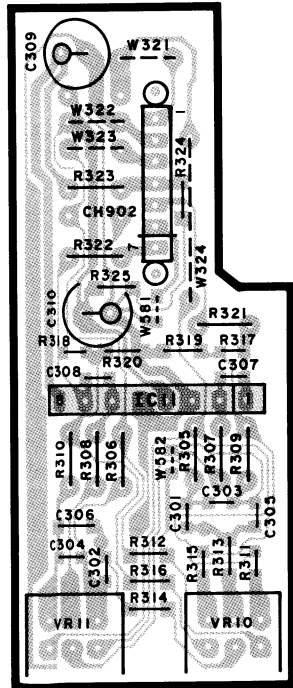


PC BOARD (Component side view)

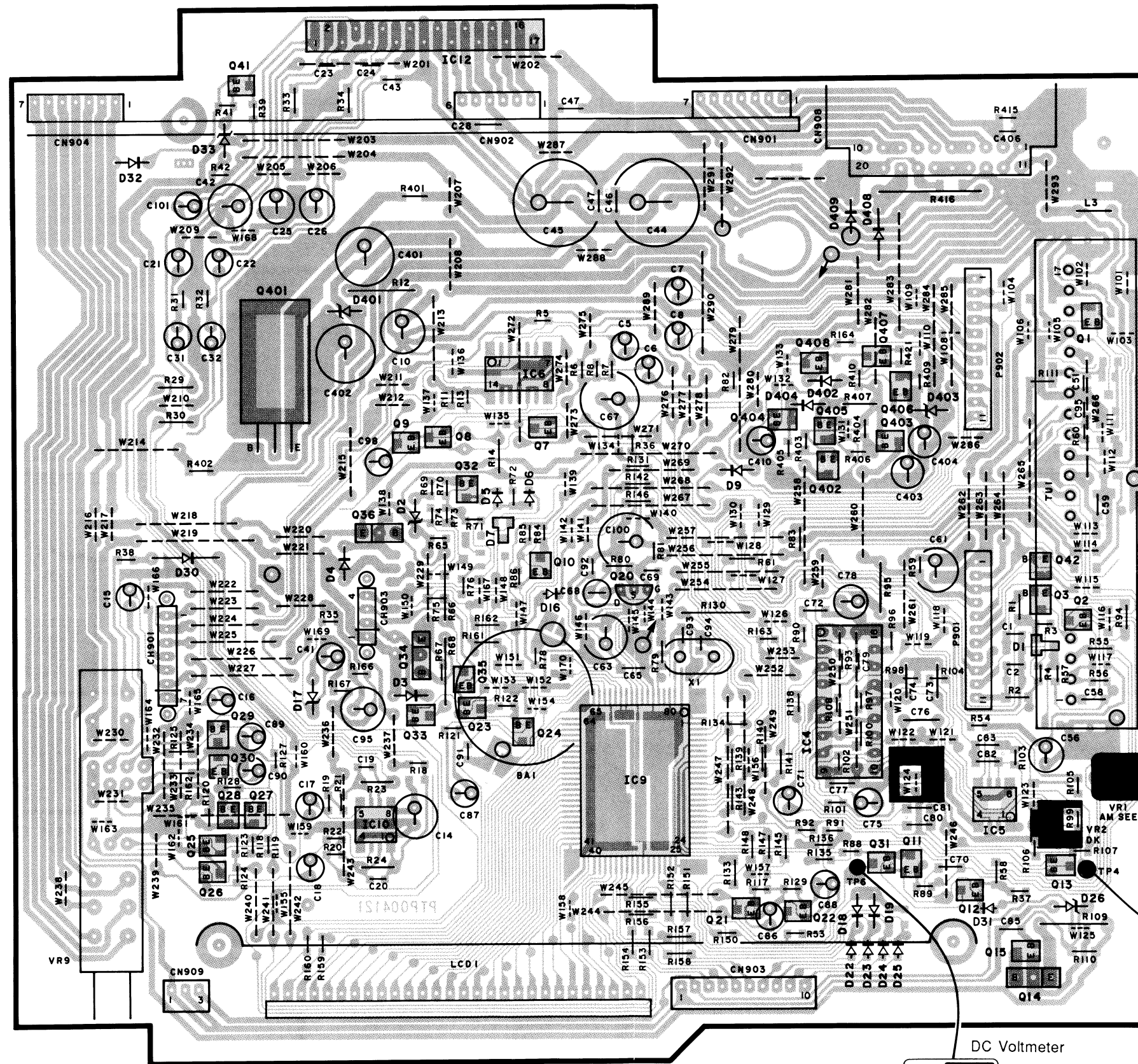
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MAIN UNIT

TONE CONTROL UNIT

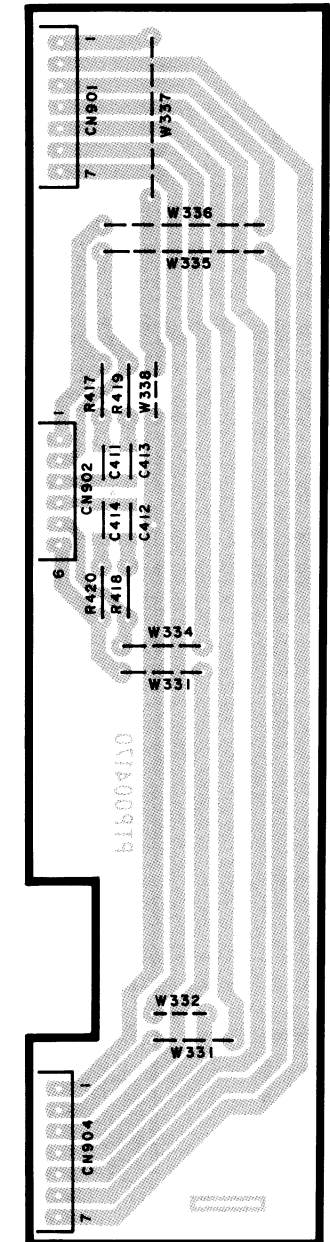


BASS TREBLE

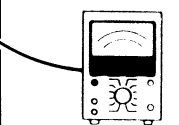


SEEK STOP LEVEL:
Low → High (Voltage)

TRANSLATION UNIT



AC Voltmeter

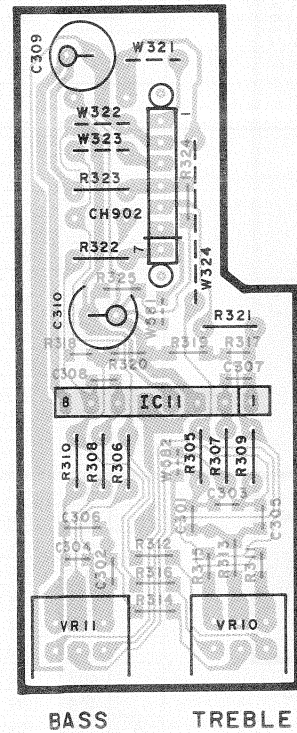


(d) DK LEVEL:
Maximum

Ref. IC	No. Q	Address
	1	3H
	2	4H
	3	4H
	4	—
	5	—
	6	—
	7	3E
	8	3D
	9	3D
	10	4E
	11	6G
	12	6G
	13	6H
	14	6G
	15	6G
	16	—
	17	—
	18	—
	19	—
	20	4E
	21	6F
	22	6F
	23	5E
	24	5E
	25	6C
	26	6C
	27	5C
	28	5C
	29	5C
	30	5C
	31	6G
	32	4D
	33	5D
	34	5D
	35	5D
	36	4D
	37	—
	38	—
	39	—
	40	—
	41	2C
	42	4G
	401	3C
	402	4F
	403	3G
	404	3F
	405	3F
	406	3G
	407	3G
	408	3F
4		5F
5		5G
6		3E
7		—
8		—
9		5E
10		—
11		4A
12		1D

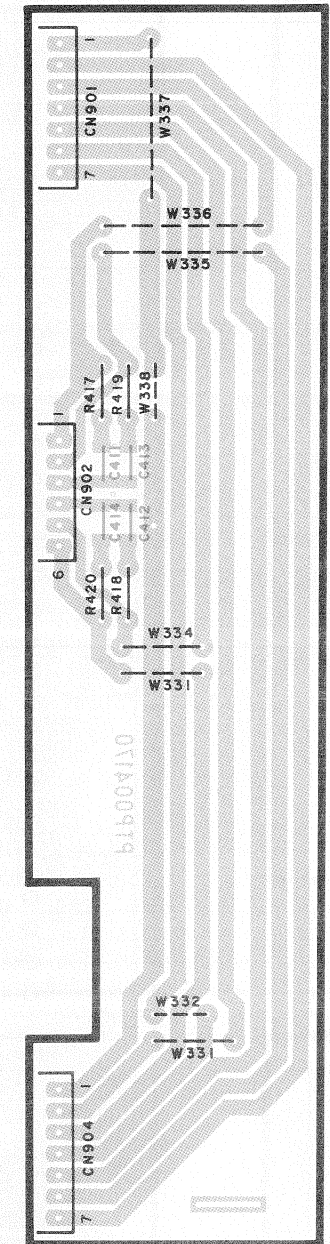
Refer to the schematic diagram for the values of resistors and capacitors.

3 TONE CONTROL UNIT



BASS TREBLE

TRANSLATION UNIT



Ref. IC	No. Q	Address
	1	3H
	2	4H
	3	4H
	4	—
	5	—
	6	—
	7	3E
	8	3D
	9	3D
	10	4E
	11	6G
	12	6G
	13	6H
	14	6G
	15	6G
	16	—
	17	—
	18	—
	19	—
	20	4E
	21	6F
	22	6F
	23	5E
	24	5E
	25	6C
	26	6C
	27	5C
	28	5C
	29	5C
	30	5C
	31	6G
	32	4D
	33	5D
	34	5D
	35	5D
	36	4D
	37	—
	38	—
	39	—
	40	—
	41	2C
	42	4G
	401	3C
	402	4F
	403	3G
	404	3F
	405	3F
	406	3G
	407	3G
	408	3F
4		5F
5		5G
6		3E
7		—
8		—
9		5E
10		—
11		4A
12		1D

AC Voltmeter



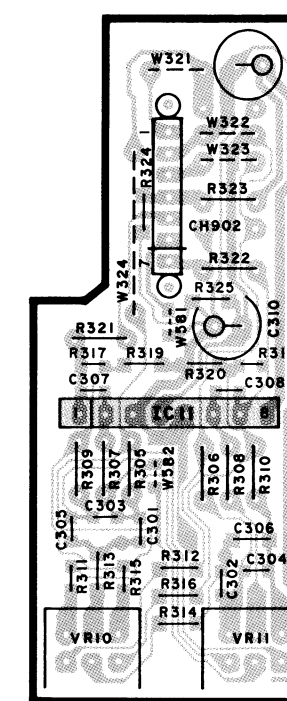
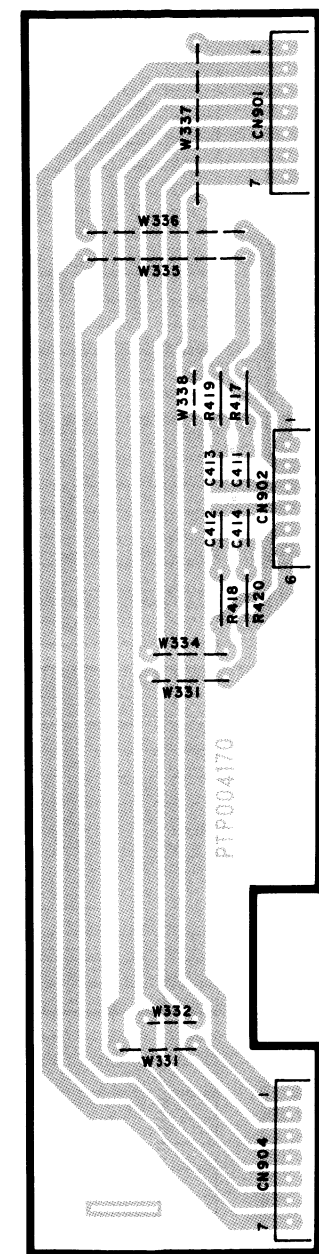
(d) DK LEVEL:
Maximum

DC Voltmeter



SEEK STOP LEVEL:
Low → High (Voltage)

Refer to the schematic diagram for the values of resistors and capacitors.

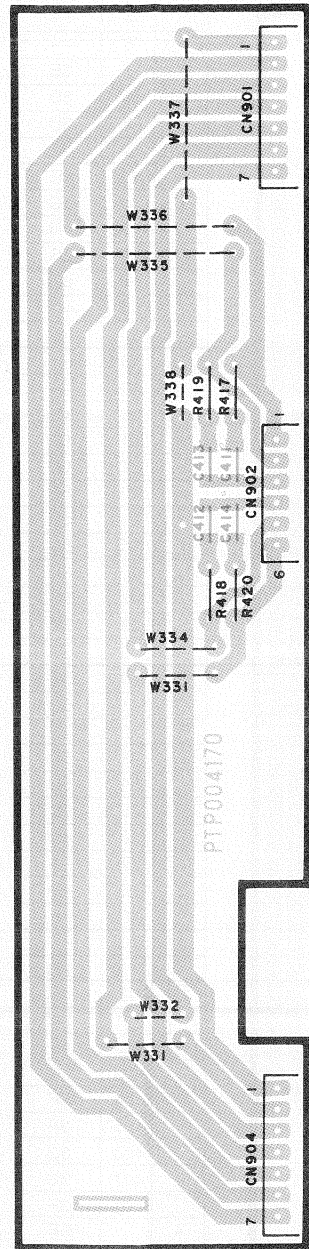


Refer to the schematic diagram for the values of resistors and capacitors.

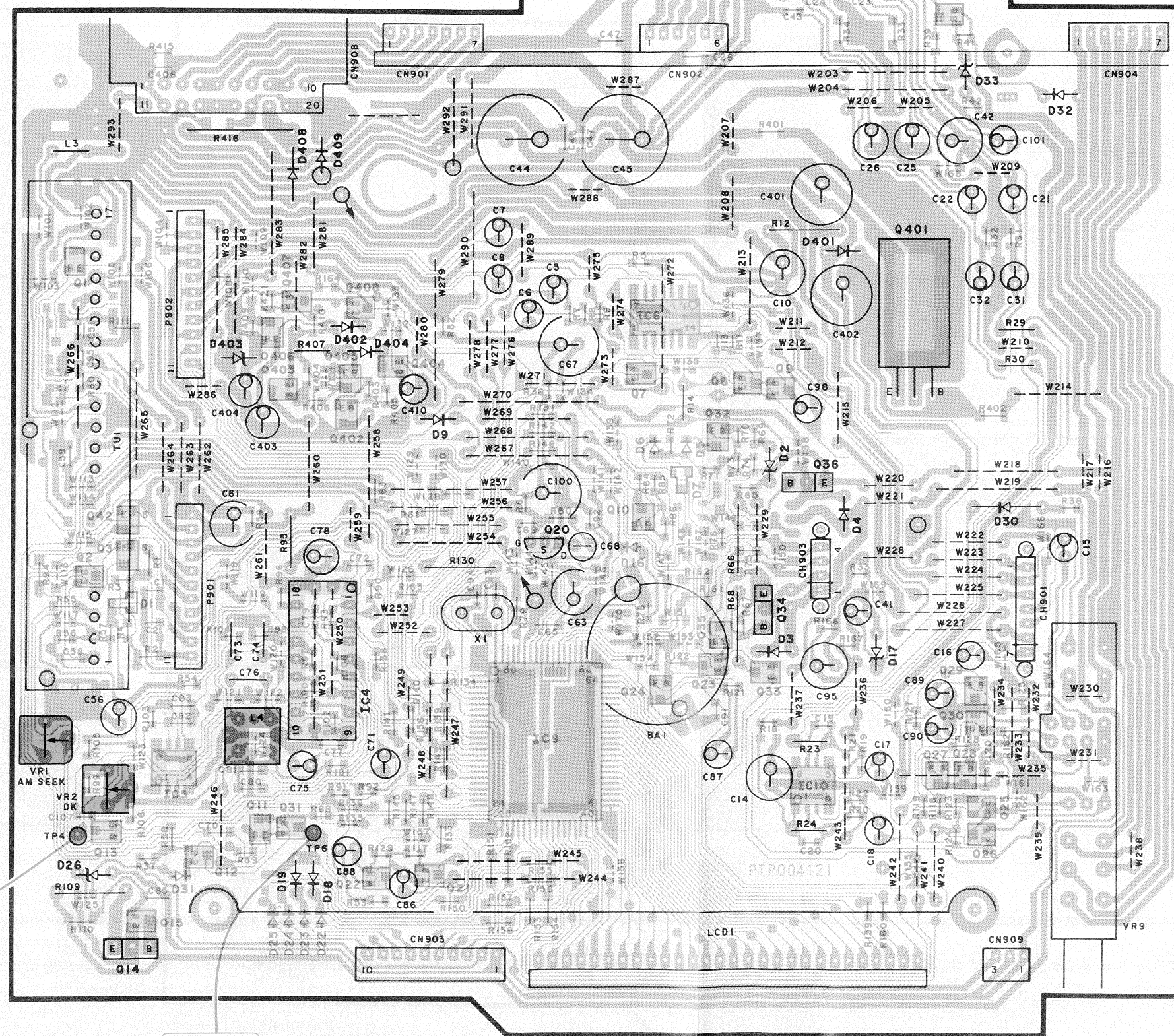
Ref. IC	No. Q	Address
	1	3L
	2	4M
	3	4M
	4	—
	5	—
	6	—
	7	3O
	8	3P
	9	3P
	10	4O
	11	6M
	12	6M
	13	6M
	14	6M
	15	6M
	16	—
	17	—
	18	—
	19	—
	20	4O
	21	6N
	22	6N
	23	5P
	24	5O
	25	6Q
	26	6Q
	27	5Q
	28	5Q
	29	5Q
	30	5Q
	31	—
	32	4P
	33	5P
	34	5P
	35	5P
	36	4P
	37	—
	38	—
	39	—
	40	—
	41	1Q
	42	4M
	401	3Q
	402	4N
	403	3N
	404	3N
	405	3N
	406	3M
	407	3N
	408	3N
4		5N
5		5M
6		3O
7		—
8		—
9		5O
10		—
11		4S
12		1P

PC BOARD (Foil side view)

TRANSLATION UNIT



MAIN UNIT



AC Voltmeter



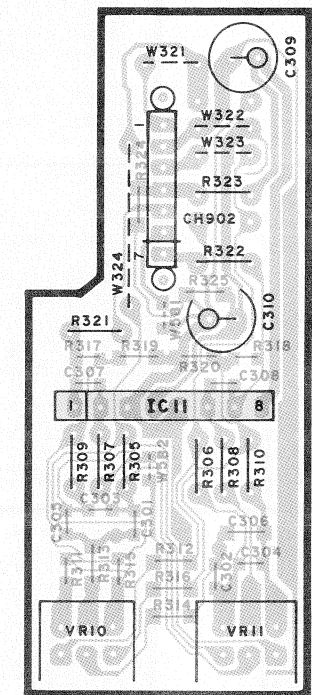
(d) DK LEVEL:
Maximum



DC Voltmeter

SEEK STOP LEVEL:
Low → High (Voltage)

TONE CONTROL UNIT

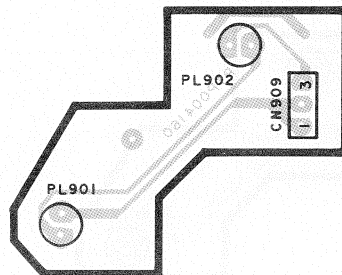


TREBLE BASS

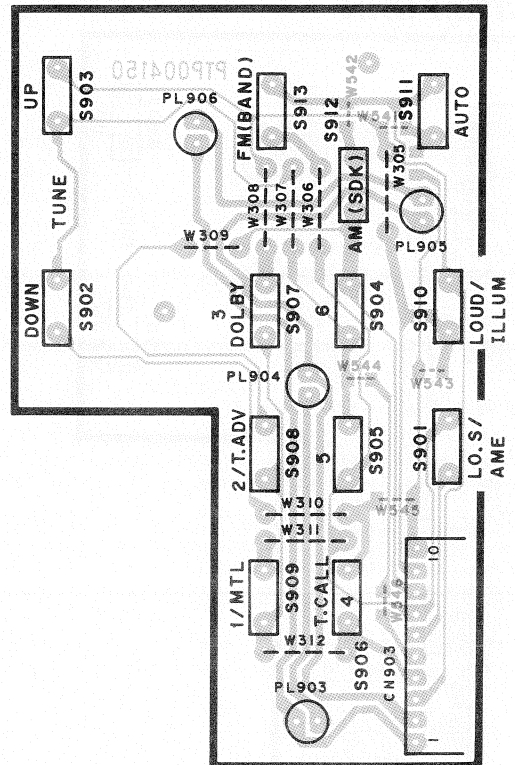
Ref. IC	No. Q	Address
	1	3L
	2	4M
	3	4M
	4	—
	5	—
	6	—
	7	3O
	8	3P
	9	3P
	10	4O
	11	6M
	12	6M
	13	6M
	14	6M
	15	6M
	16	—
	17	—
	18	—
	19	—
	20	4O
	21	6N
	22	6N
	23	5P
	24	5O
	25	6Q
	26	6Q
	27	5Q
	28	5Q
	29	5Q
	30	5Q
	31	—
	32	4P
	33	5P
	34	5P
	35	5P
	36	4P
	37	—
	38	—
	39	—
	40	—
	41	1Q
	42	4M
	401	3Q
	402	4N
	403	3N
	404	3N
	405	3N
	406	3M
	407	3N
	408	3N
4		5N
5		5M
6		3O
7		—
8		—
9		5O
10		—
11		4S
12		1P

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component side view)



SWITCH UNIT

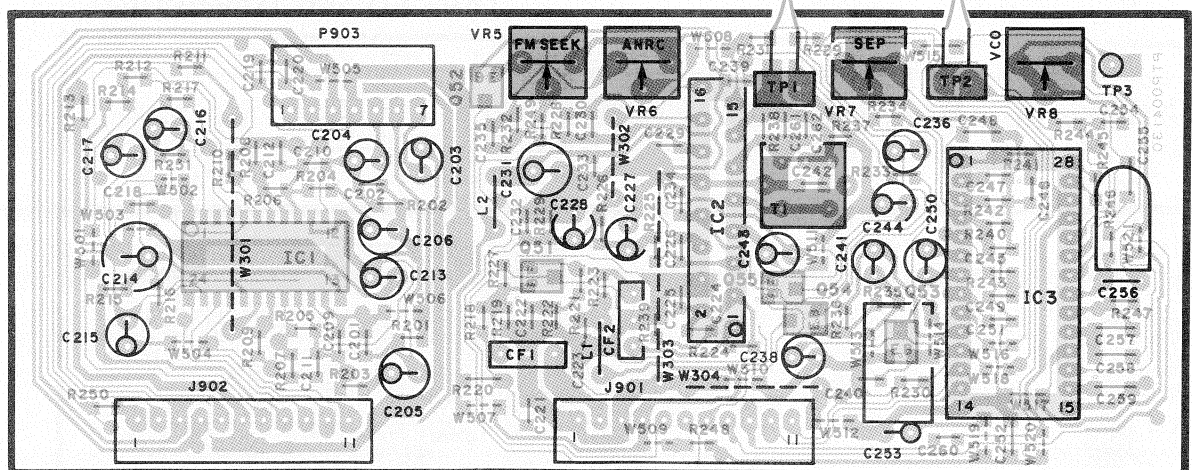


Ref.	No.	Address
IC	Q	
	51	6W
	52	6W
	53	6X
	54	6X
	55	6X
1		6V
2		6X
3		6Y

(a) DISCRIMINATOR:0V
DC Voltmeter

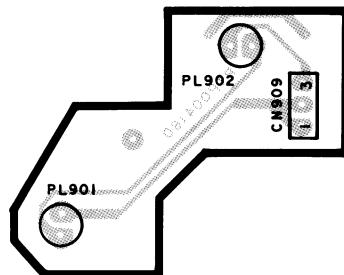
(b) VCO:19kHz
Frequency Counter

TAPE EQ and TUNER UNIT

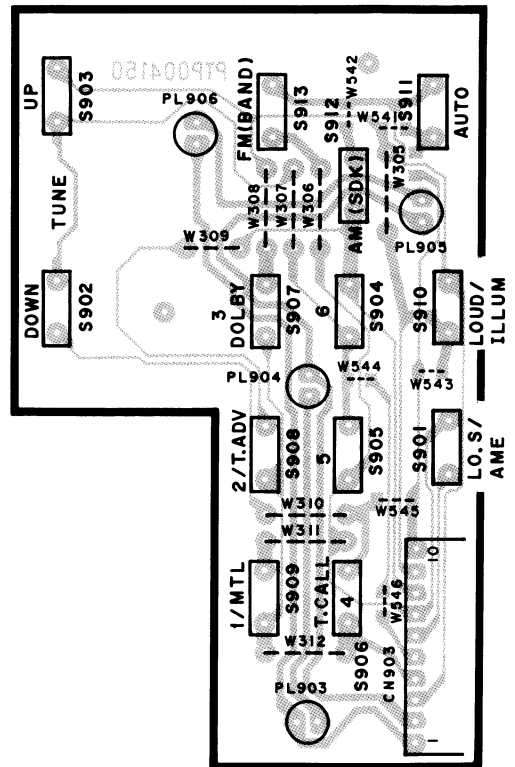


Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component side view)



SWITCH UNIT

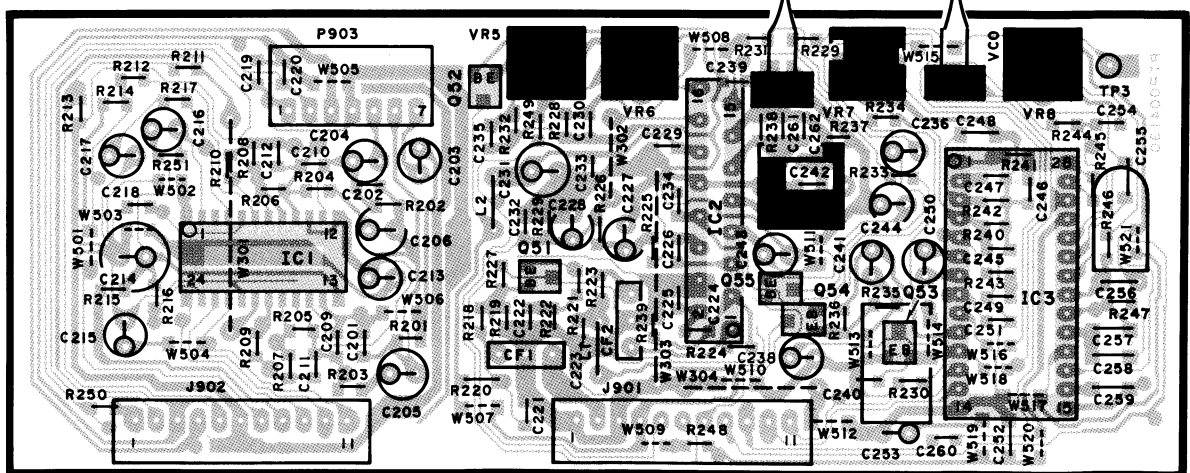


Ref. IC	No. Q	Address
	51	6W
	52	6W
	53	6X
	54	6X
	55	6X
1		6V
2		6X
3		6Y

(a) DISCRIMINATOR:0V
DC Voltmeter

(b) VCO:19kHz
Frequency Counter

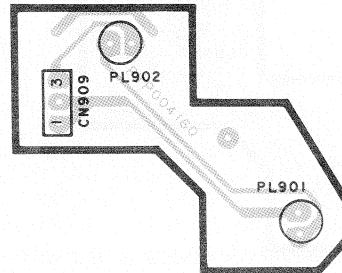
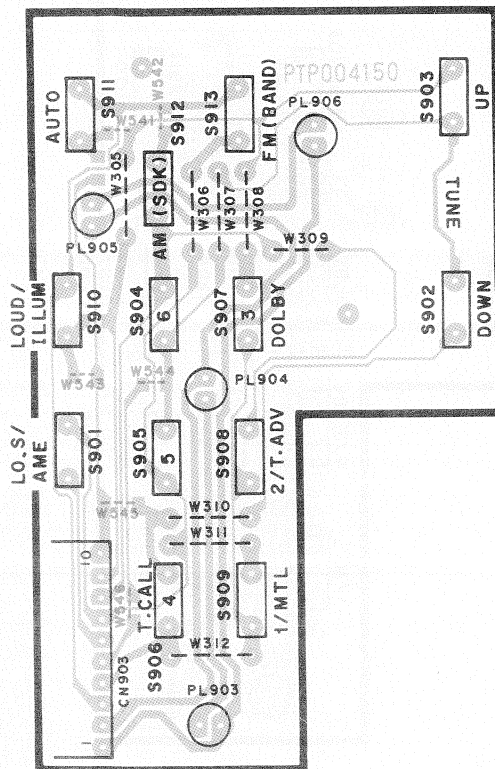
TAPE EQ and TUNER UNIT



Refer to the schematic diagram for the values of resistors and capacitors.

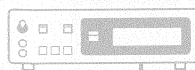
PC BOARD (Foil side view)

SWITCH UNIT



Ref. IC	No. Q	Address
	51	6AB
	52	6AB
	53	7AA
	54	7AA
	55	6AA
1		6AC
2		6AA
3		6Z

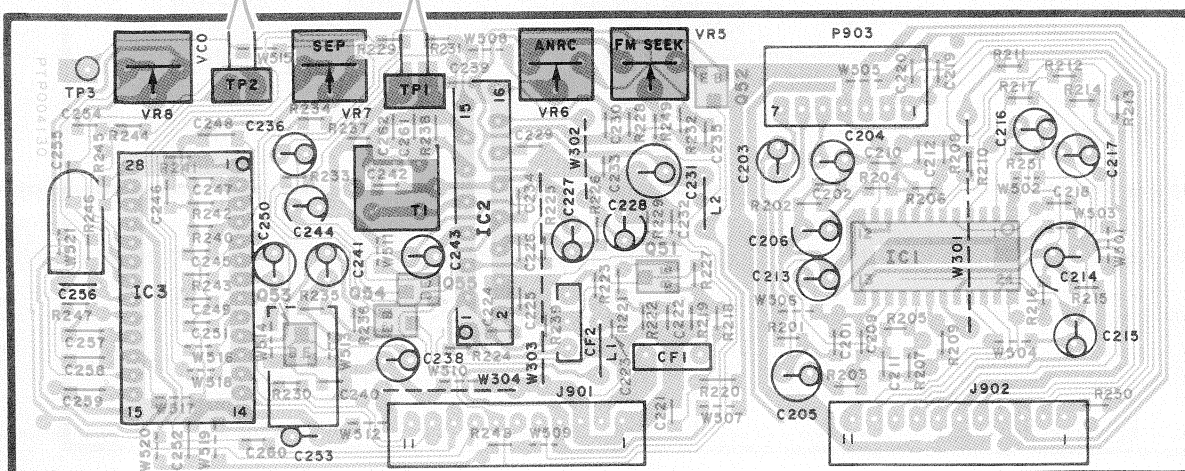
(b) VCO:19kHz
Frequency Counter



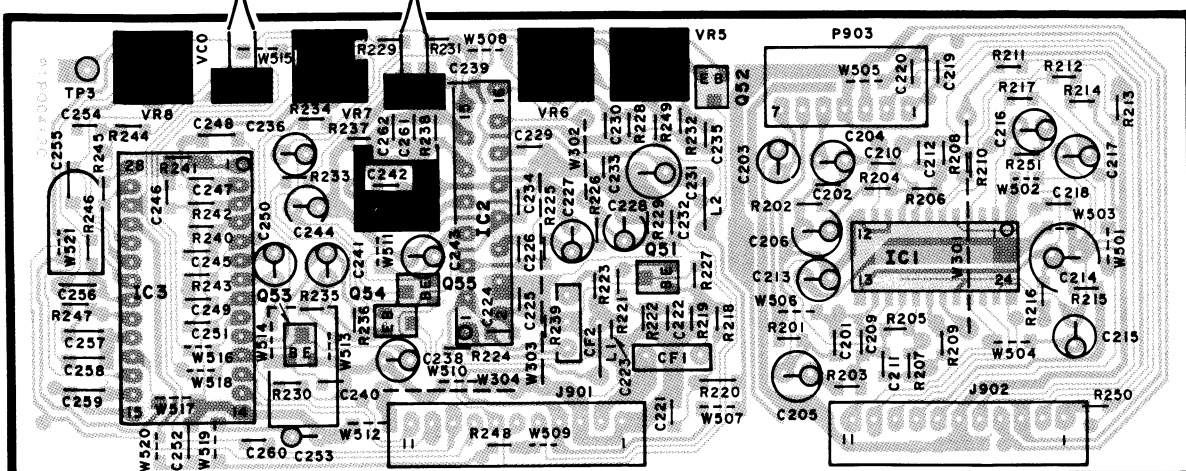
(a) DISCRIMINATOR:0V
DC Voltmeter



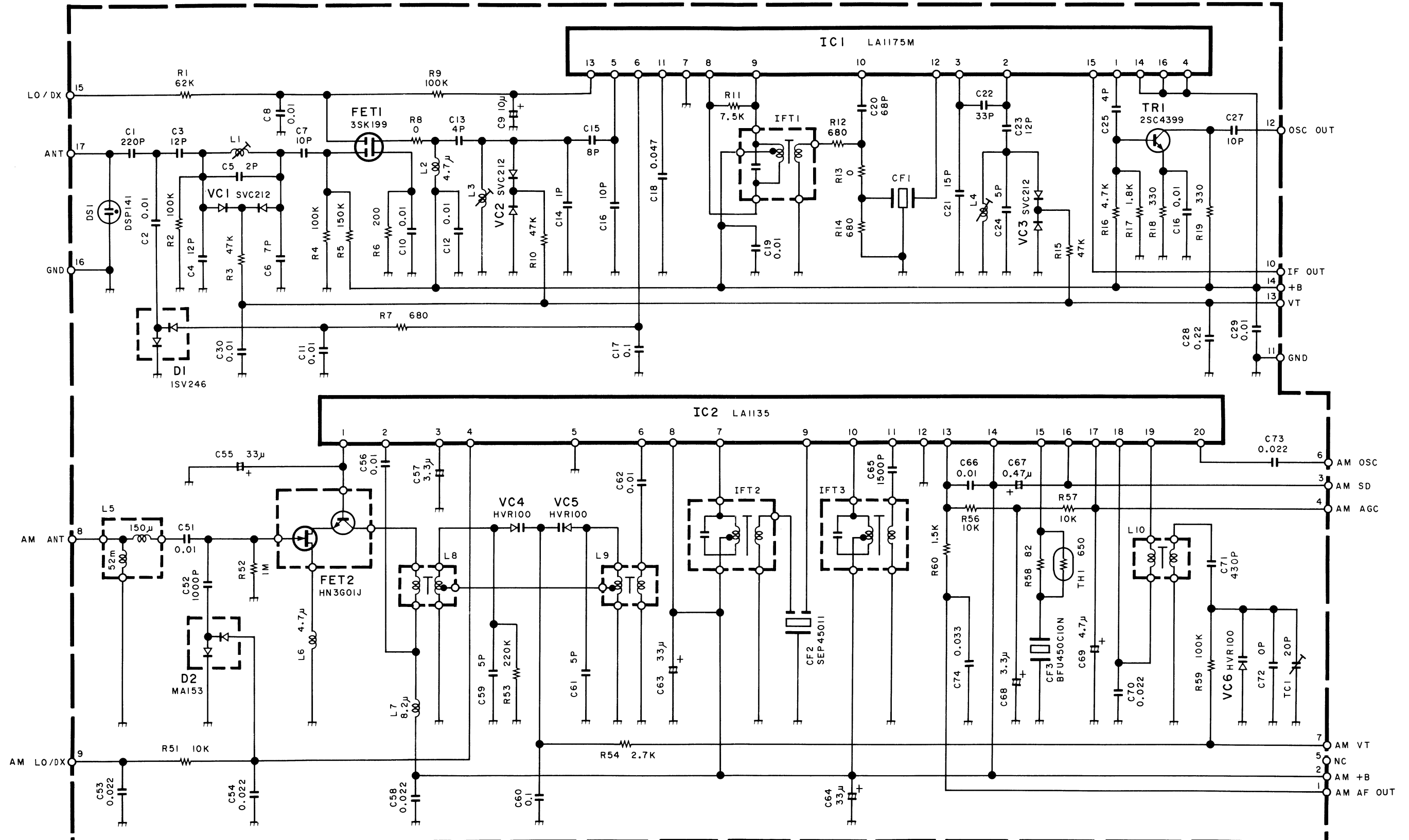
TAPE EQ and TUNER UNIT



7



FM/AM FRONT-END (W02-1404-08)



VC1~3 : SVC212
VC4~6 : HVR100
D1 : 1SV246
D2 : MA153

FET1 : 3SK199
FET2 : HN3G01J
TR1 : 2SC4399

IC1 : LA1175M
IC2 : LA1135

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

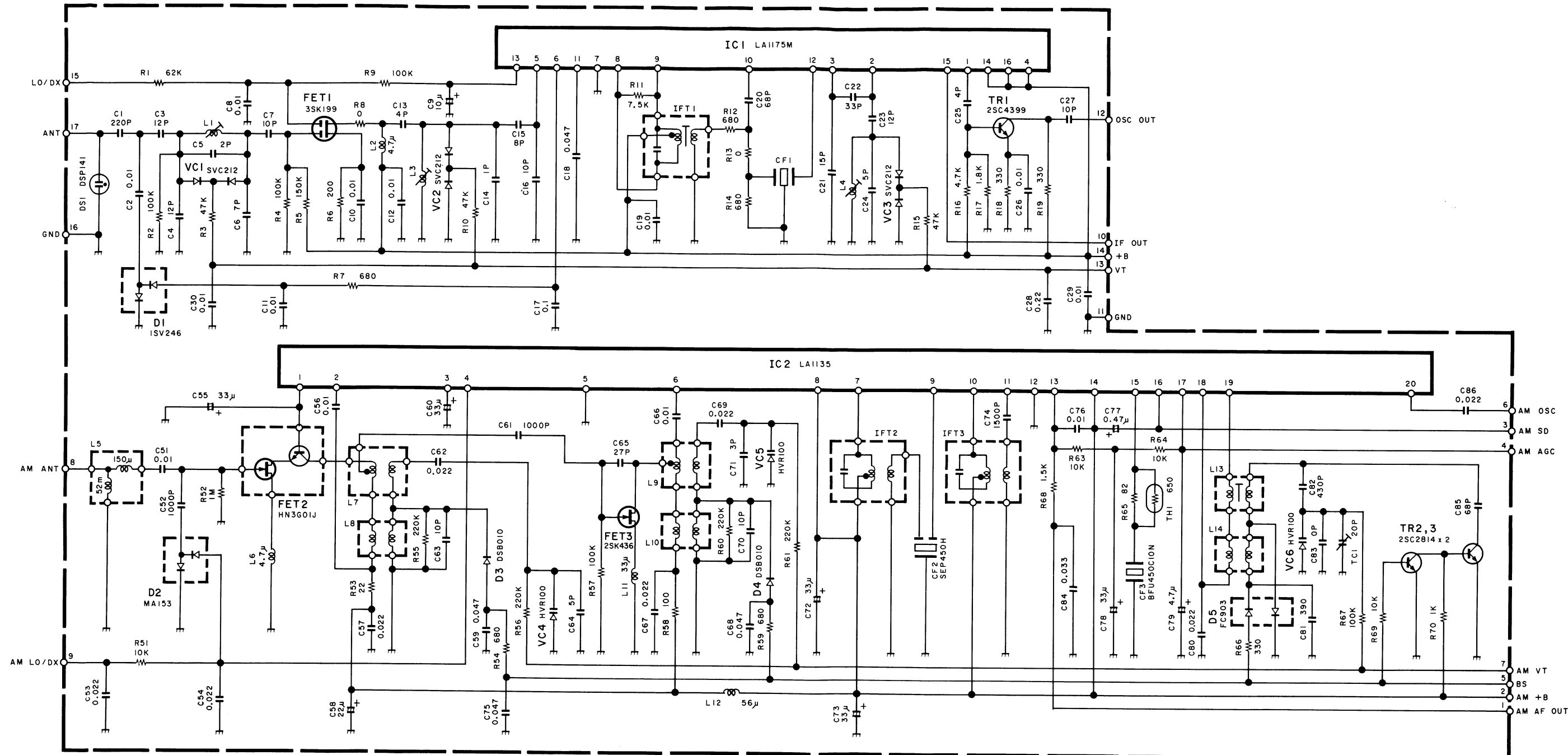
1/4

Y36-1672-71

KRC-254D/N

KRC-254D/N
KENWOOD

FM/AM FRONT-END (W02-1406-08)



- | | | |
|----------------|-----------------|---------------|
| VC1~3 : SVS212 | FET1 : 3SK199 | IC1 : LA1175M |
| VC4~6 : HVR100 | FET2 : HN3601J | IC2 : LA1135 |
| D1 : 1SV246 | FET3 : 2SK436 | |
| D2 : MA153 | TR1 : 2SC4399 | |
| D3,4 : DSB010 | TR2,3 : 2SC2819 | |
| D5 : FC903 | | |

KRC-254L

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

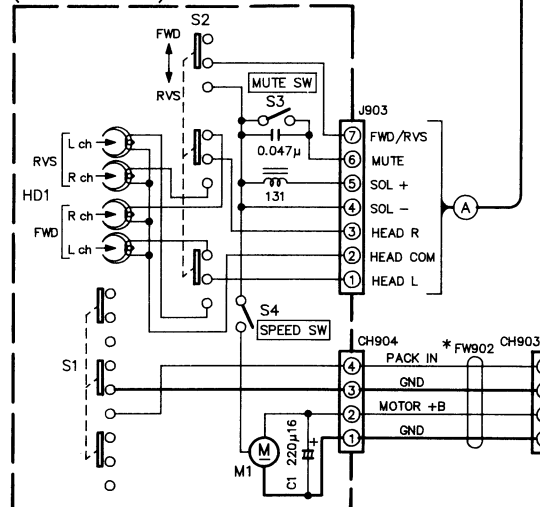
IC 4 : TDA1579
 IC 5, 10 : NJM4565L-D
 IC 6 : UPD4066BG
 IC 9 : LC7232N-8437
 IC12 : TA8215H

Q1, 7~9, 13, 23, 42, 404, 405 : DTC144EK
 Q2, 3 : DTA144EK
 Q10~12, 15, 29, 30~32 : 2SC2412K
 Q14 : 2SB1370
 Q34, 36 : 2SA1428
 Q20 : 2SK669
 Q21, 22, 24 : 2SA1037K
 Q25~28 : 2SD1757K
 Q33, 35 : DTC114EK
 Q41 : 2SA1037K
 Q401 : 2SD1266BD
 Q402, 403 : 2SA1036K
 Q406, 407 : 2SC2412K
 Q408 : DTA114EK

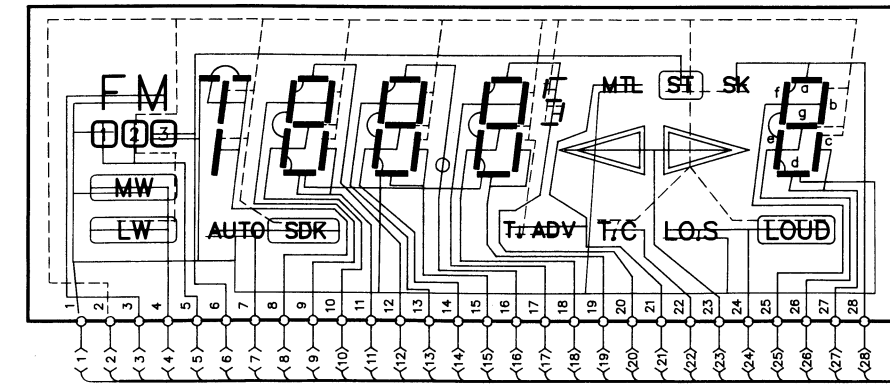
D1 : DAP202K
 D2 : RD6.8E(B1)
 D3, 4, 408 : TS139-100
 D5, 6, 16, 22~25, 31 : MA110
 D7 : DAN202K
 D9, 18, 19, 30, 32, 402, 404 : 1SS133
 D17, 403 : RD6.2ES(B3)
 D26 : RD11ES(B2)
 D33 : RD7.5ES(B1)
 D401 : RD10ES(B1)
 D409 : ERA15-01

BA1 : W09-0731-05
 LCD1 : B38-0588-08

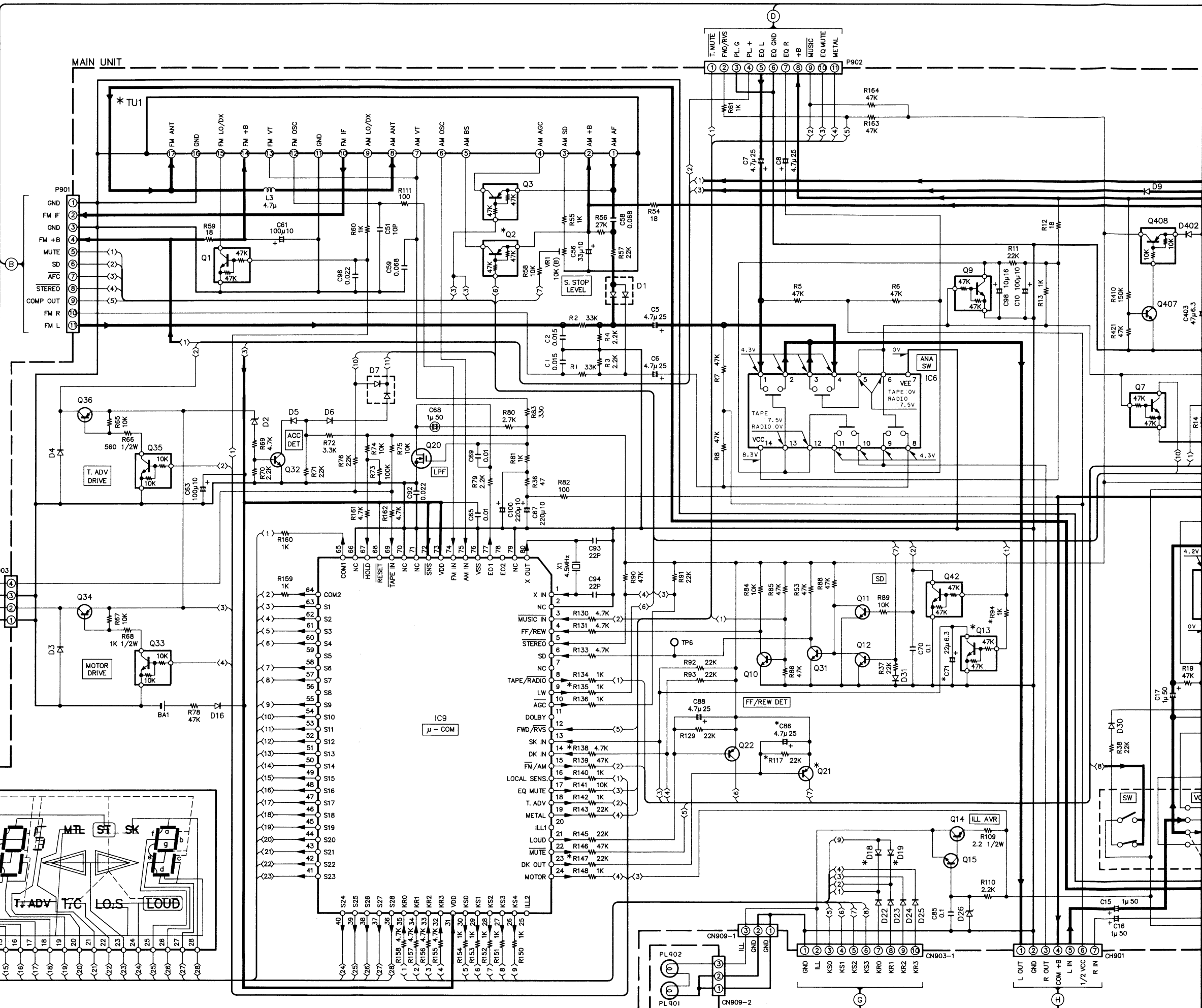
MECHA. ASS'Y (D40-1045-08)

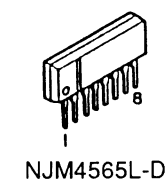
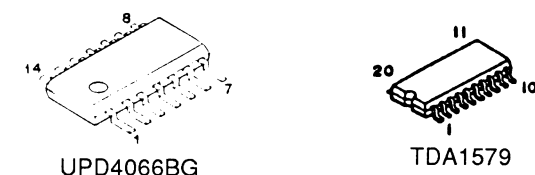
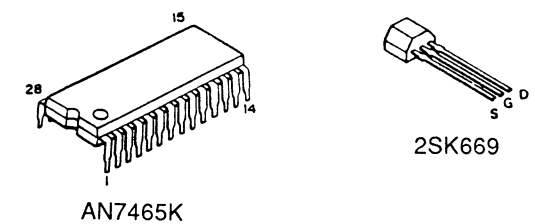
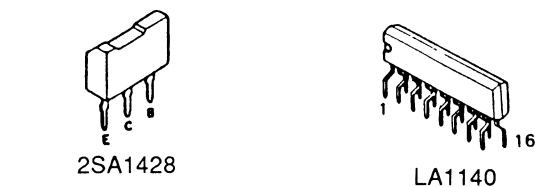
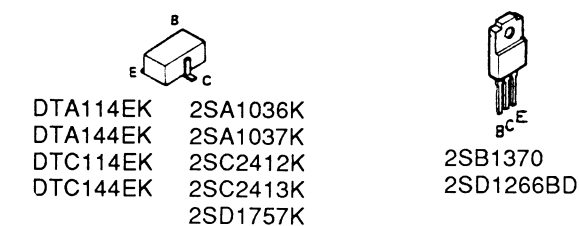


LCD1



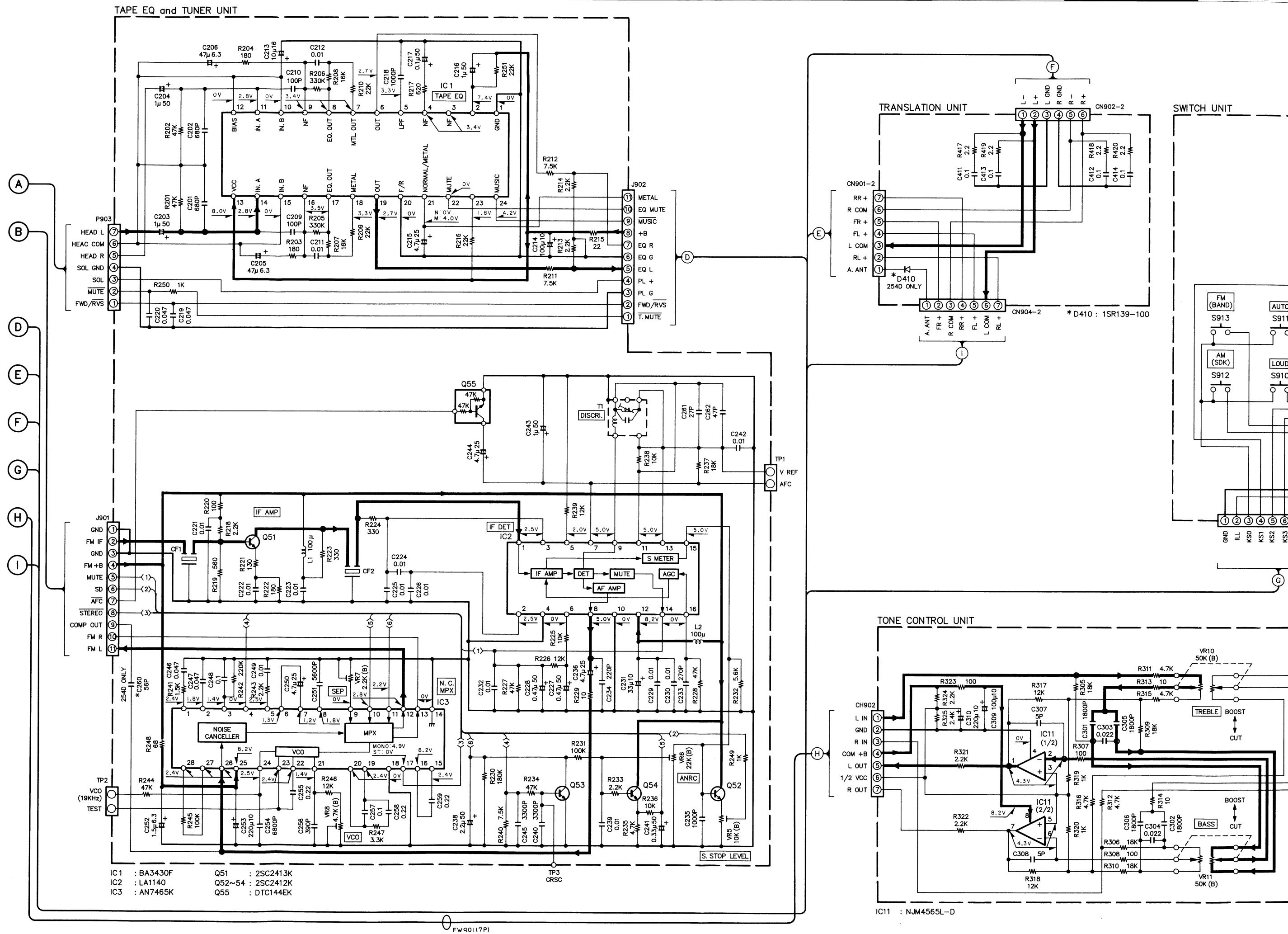
MAIN UNIT

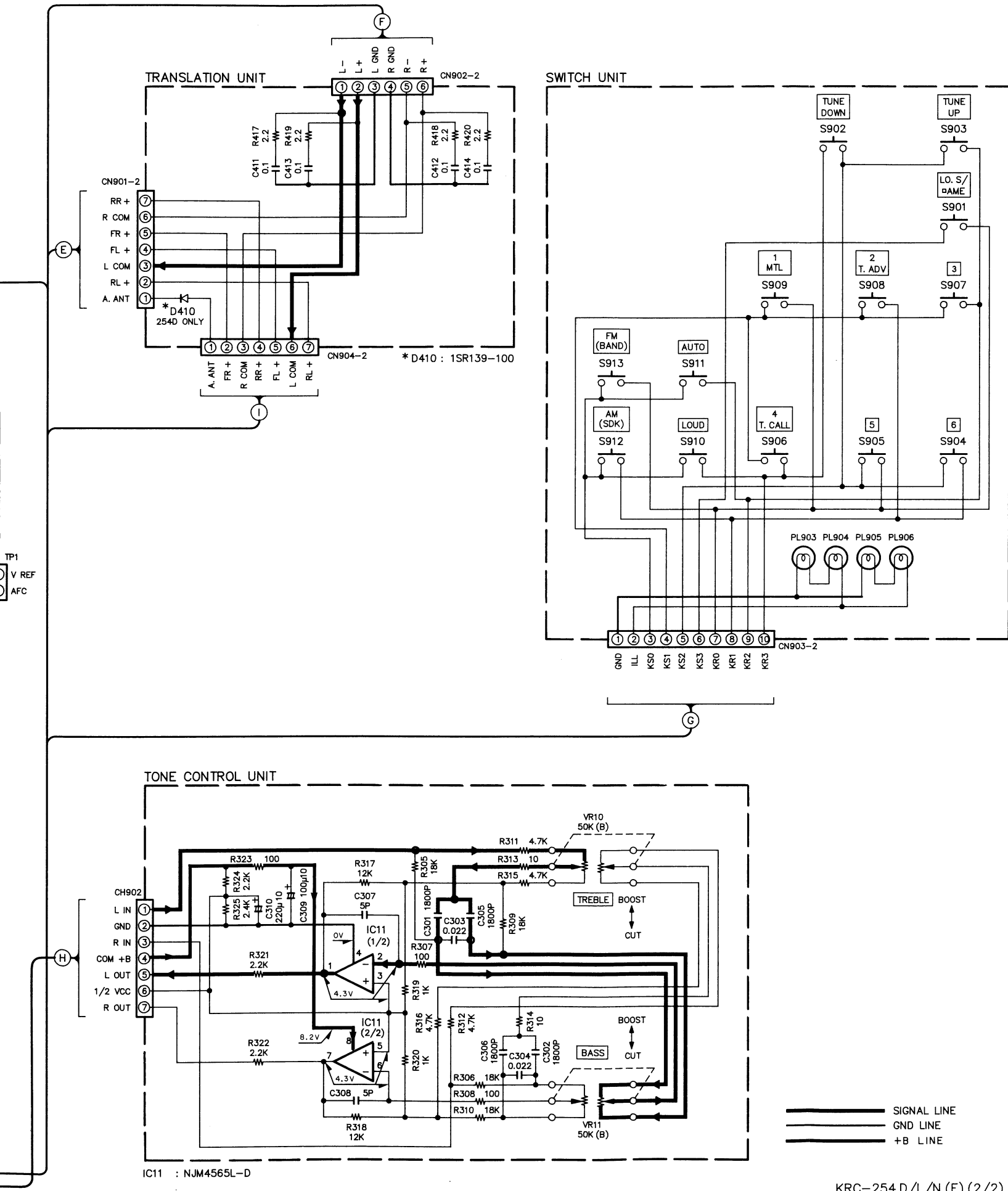




DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.





DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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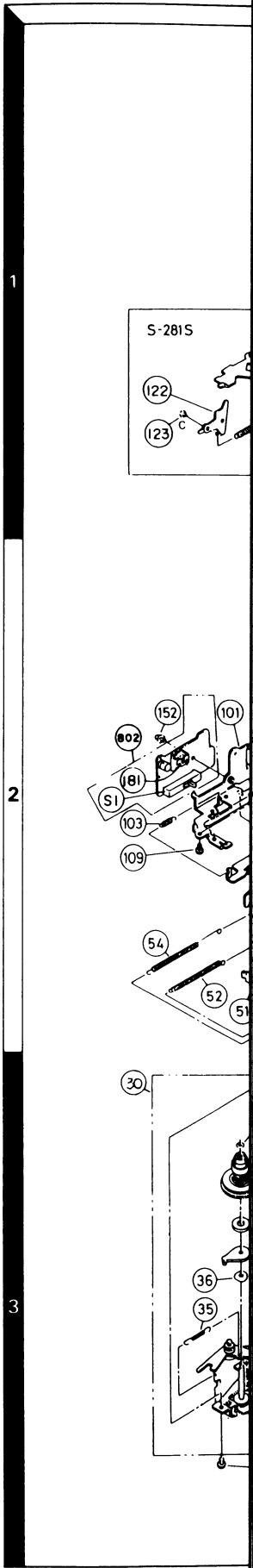
4/4

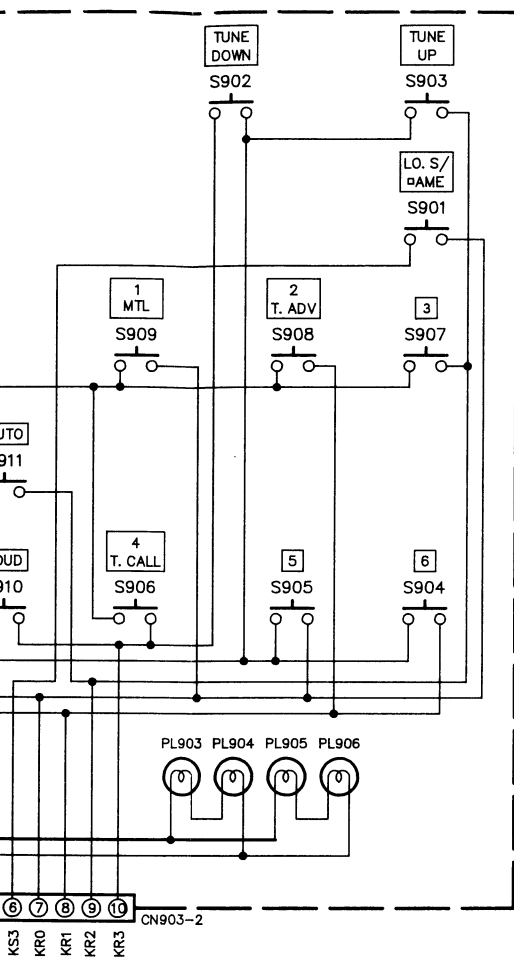
KRC-254D/L/N

KENWOOD

KRC-254 D/L/N (E) (2/2)

Y36-1672-71





— SIGNAL LINE
— GND LINE
— +B LINE

KRC-254D/L/N (E) (2/2)

4/4

Y36-1672-71

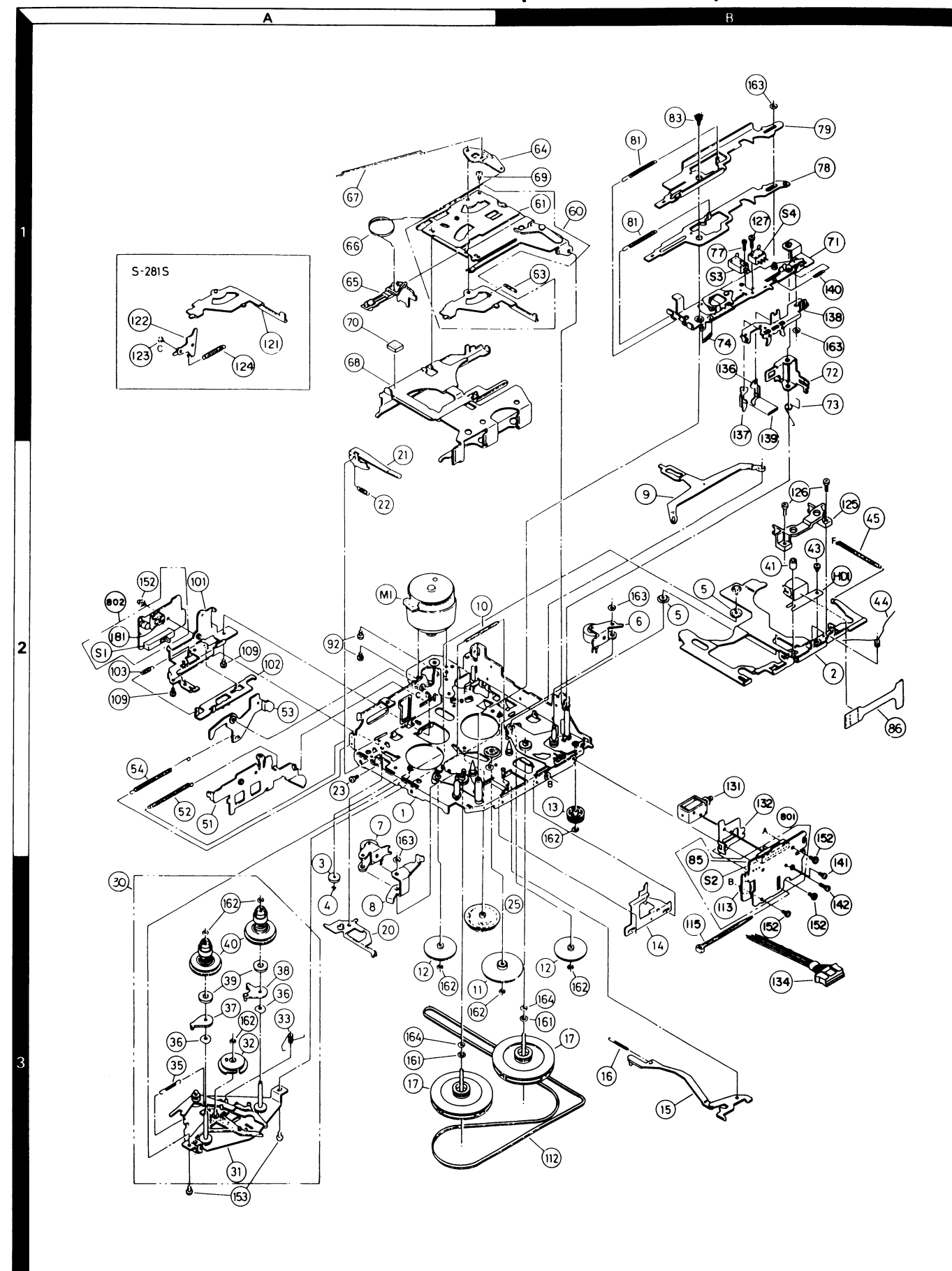
KRC-254D/L/N
KENWOOD

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KRC-254D/L/N

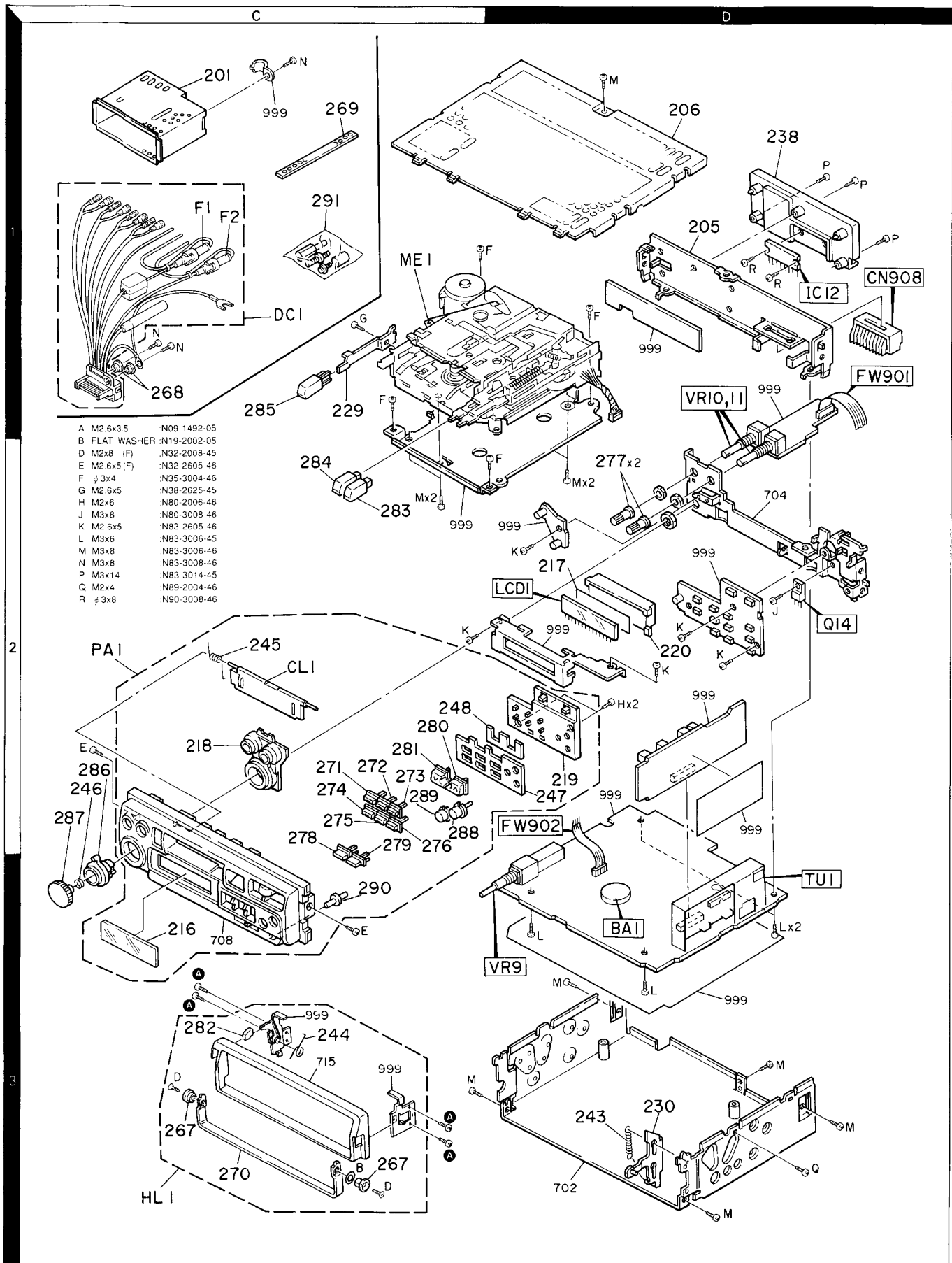
EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

KRC-254D/L/N

EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied. 37

KRC-254D/L/N

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

KRC-254 D/L/N

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
KRC-254 D/L/N						
201	1C	*	A01-2530-21	METALLIC CABINET		
205	1D	*	A10-2240-08	REAR PANEL		
206	1D	*	A52-0637-12	TOP COVER		
CL1	2C	*	A53-1572-08	CASSETTE LID		
PA1	2C	*	A64-0138-08	PANEL ASSY (KRC-254D)	D	
PA1	2C	*	A64-0139-08	PANEL ASSY (KRC-254L)	L	
PA1	2C	*	A64-0141-08	PANEL ASSY (KRC-254N)	N	
216	3C	*	B10-1561-08	FRONT GLASS		
217	2D	*	B11-0858-08	PLATE LIGHT (LCD)		
218	2C	*	B19-0943-08	LIGHTING BOARD (VR)		
219	2D	*	B19-0944-08	LIGHTING BOARD (KNOB)		
220	2D	*	B19-0945-08	LIGHTING BOARD (LCD)		
-			B46-0100-20	WARRANTY CARD		
-			B46-0182-14	ID CARD (KRC-254D)	D	
-		*	B64-0266-00	INST. MANUAL (GERMAN, FRENCH)	D	
-		*	B64-0267-00	INST. MANUAL (EN,FR,NETH,IT,SP)	D	
HL1	3C		B07-2014-42	ESCUTCHEON ASSY	LN	
229	1C		D10-2522-24	LEVER (EJECT)		
230	3D		D10-2680-14	LEVER (CHASSIS)		
ME1	1C	*	D40-1045-08	CASSETTE MECHANISM ASSY (JAPAN)		
DC1	1C	*	E30-4082-08	CONNECTOR ASSY		
238	1D	*	F01-1383-13	HEAT SINK		
F1	1C		F05-6021-05	FUSE (6A) ACC		
F2	1C		F05-1021-05	FUSE (1A) B.U.		
243	3D		G01-2040-04	EXTENSION SPRING		
244	3C		G01-2370-04	TORSION COIL SPRING (ESCU.)		
245	2C		G01-2371-04	TORSION COIL SPRING (PANEL)		
246	2C	*	G01-2651-08	SPRING		
247	2D	*	G13-1211-08	CUSHION (A)		
248	2C	*	G13-1212-08	CUSHION (B)		
-		*	H10-4448-08	POLYSTYRENE FOAMED FIXTURE		
-			H25-0336-04	PROTECTION BAG (170X290X0.03)		
-			H25-1111-04	PROTECTION BAG (270X380X0.03)		
-		*	H30-0510-08	ADHESIVE SHEET		
-		*	H54-0035-08	ITEM CARTON CASE (KRC-254D)	D	
-		*	H54-0036-08	ITEM CARTON CASE (KRC-254L)	L	
-		*	H54-0037-08	ITEM CARTON CASE (KRC-254N)	N	
-		*	H64-0039-08	OUTER CARTON CASE (KRC-254D)	D	
-		*	H64-0040-08	OUTER CARTON CASE (KRC-254L)	L	
-		*	H64-0041-08	OUTER CARTON CASE (KRC-254N)	N	
267	3C		J31-1005-24	COLLAR		
268	1C	*	J31-1020-08	CONNECTOR COLLOR		
269	1C		J54-0071-04	STAY		
270	3C		K01-0601-03	HANDLE		
271	2C	*	K24-1336-08	KNOB (1)		
272	2C	*	K24-1363-08	KNOB (2)		
273	2C	*	K24-1364-08	KNOB (3)		
274	2C	*	K24-1365-08	KNOB (4)		
275	2C	*	K24-1366-08	KNOB (5)		
276	2C	*	K24-1367-08	KNOB (6)		

D : KRC-254D
L : KRC-254L
N : KRC-254N

 indicates safety critical components.

KRC-254D/L/N

PARTS LIST

* New Parts

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**KRC-254 D/L/N
ELECTRIC UNIT**

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
277	2D		K23-1011-04	KNØB (BASS, TREBLE)		
278	2C	*	K24-1368-08	KNØB (LØ.S)		
279	2C	*	K24-1369-08	KNØB (LOUD)		
280	2C	*	K24-1370-08	KNØB (UP)		
281	2C	*	K24-1371-08	KNØB (DOWN)		
282	3C		K27-3510-04	KNØB (LEVER)		
283	2C		K27-3523-04	KNØB (FF)		
284	2C		K27-3524-04	KNØB (REW)		
285	1C		K27-3525-04	KNØB (EJECT)		
286	2C	*	K29-5571-08	KNØB (FAD)		
287	2C	*	K29-5572-08	KNØB (VOL)		
288	2C	*	K24-1337-08	KNØB (BAND) (KRC-254D)	D	
288	2C	*	K24-1374-08	KNØB (FM) (254L, 254N)	LN	
289	2C	*	K24-1372-08	KNØB (SDK) (KRC-254D)	D	
289	2C	*	K24-1375-08	KNØB (AM) (254L, 254N)	LN	
290	3C	*	K24-1373-08	KNØB (AUTO) (KRC-254D)	D	
290	3C	*	K24-1400-08	KNØB (AUTO) (254L, 254N)	LN	
291	1C		N99-0278-15	SCREW SET		
A	3C		N09-1492-05	SCREW		
B	3C		N19-2002-05	WASHER		
D	3C		N32-2008-45	SCREW		
E	2C, 3C		N32-2605-46	SCREW		
F	1C, 1D		N35-3004-46	SCREW		
G	1C	*	N38-2625-45	SCREW		
H	2D		N80-2006-46	SCREW		
J	2D		N80-3008-46	SCREW		
K	2C, 2D		N83-2605-46	SCREW		
L	3D		N83-3006-45	SCREW		
M	1D, 3D		N83-3006-46	SCREW		
N	1C		N83-3008-46	SCREW		
P	1D	*	N83-3014-45	SCREW		
Q	3D		N89-2004-46	SCREW		
R	1D		N90-3008-46	SCREW		
ELECTRIC UNIT						
LCD1	2D	*	B38-0588-08	LIQUID CRYSTAL		
PL901, 902		*	B30-1410-08	LAMP		
PL903-906		*	B30-1410-08	LAMP		
C1 ,2			CK73FB1H153K	CHIP C 0.015UF K		
C5 -8			CE04CW1E4R7M	ELECTRO 4.7UF 25WV		
C10			CE04CW1A101M	ELECTRO 100UF 10WV		
C14			CE04CW1A101M	ELECTRO 100UF 10WV		
C15 -18			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C19 ,20			CK73FB1H471K	CHIP C 470PF K		
C21 ,22			CE04CW1H3R3M	ELECTRO 3.3UF 50WV		
C23 ,24			CK73FB1H103K	CHIP C 0.010UF K		
C25 ,26			CE04CW1A330M	ELECTRO 33UF 10WV		
C27 ,28			CK73EB1H104K	CHIP C 0.10UF K		
C31 ,32			CE04CW1E4R7M	ELECTRO 4.7UF 25WV		
C41			CE04CW1C100M	ELECTRO 10UF 16WV		
C42			CE04DW1A221M	ELECTRO 220UF 10WV		
C43			CK73FB1H103K	CHIP C 0.010UF K		
C44 ,45			C90-2566-05	ELECTRO 2200UF 16WV		
C46 ,47			CK73EB1H103K	CHIP C 0.01UF K		

D : KRC-254D
L : KRC-254L
N : KRC-254N

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KRC-254D/L/N

PARTS LIST

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ELECTRIC UNIT

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C51			CC73FCH1H100J	CHIP C 10PF J		
C56			CE04CW1A330M	ELECTRØ 33UF 10WV		
C58 ,59			C93-0026-05	CHIP C 0.068UF 50WV		
C61			CE04CW1A101M	ELECTRØ 100UF 10WV		
C63			CE04CW1A101M	ELECTRØ 100UF 10WV		
C65			CK73EB1H103K	CHIP C 0.01UF K		
C67			CE04CW1A221M	ELECTRØ 220UF 10WV		
C68			C90-2658-05	NP-ELECT 1UF 50WV		
C69			CK73FB1H103K	CHIP C 0.010UF K		
C70			CK73EB1H104K	CHIP C 0.10UF K		
C71			CE04CW0J220M	ELECTRØ 22UF 6.3WV	D	
C72			CK73EB1E154K	CHIP C 0.15UF K	D	
C73 ,74			C91-2050-05	CERAMIC 0.068UF Z	D	
C75			CE04CW1E4R7M	ELECTRØ 4.7UF 25WV	D	
C76			CQ93AP2A332J	POLYPRØ 3300PF J	D	
C77			CK73EB1H104K	CHIP C 0.10UF K	D	
C78			CE04CW1A330M	ELECTRØ 33UF 10WV	D	
C79			CK73FB1H103K	CHIP C 0.010UF K	D	
C80 -83			C93-0026-05	CHIP C 0.068UF 50WV	D	
C85			CK73EB1H104K	CHIP C 0.10UF K		
C86			CE04CW1E4R7M	ELECTRØ 4.7UF 25WV	D	
C87			C90-2610-05	ELECTRØ 2.2UF 50WV		
C88			CE04CW1E4R7M	ELECTRØ 4.7UF 25WV		
C89 ,90			CE04CW1HR33M	ELECTRØ 0.33UF 50WV		
C91			CK73FB1H473K	CHIP C 0.047UF K		
C92			CK73FB1H223K	CHIP C 0.022UF K		
C93 ,94			CC73FCH1H220J	CHIP C 22PF J		
C95			CE04CW1A101M	ELECTRØ 100UF 10WV		
C96			CK73FB1H223K	CHIP C 0.022UF K		
C98			CE04CW1C100M	ELECTRØ 10UF 16WV		
C100			CE04CW1A221M	ELECTRØ 220UF 10WV		
C101			CE04CW1H010M	ELECTRØ 1.0UF 50WV		
C201,202			CK73FB1H681K	CHIP C 680PF K		
C203,204			CE04CW1H010M	ELECTRØ 1.0UF 50WV		
C205,206			CE04CW0J470M	ELECTRØ 47UF 6.3WV		
C209,210			CC73FCH1H101J	CHIP C 100PF J		
C211,212			CK73FB1H103K	CHIP C 0.010UF K		
C213			CE04CW1C100M	ELECTRØ 10UF 16WV		
C214			CE04CW1A101M	ELECTRØ 100UF 10WV		
C215			CE04CW1E4R7M	ELECTRØ 4.7UF 25WV		
C216			CE04CW1H010M	ELECTRØ 1.0UF 50WV		
C217			CE04CW1H0R1M	ELECTRØ 0.1UF 50WV		
C218			CK73FB1H102K	CHIP C 1000PF K		
C219,220			CK73FB1H473K	CHIP C 0.047UF K		
C221-226			CK73FB1H103K	CHIP C 0.010UF K		
C227,228			CE04CW1HR47M	ELECTRØ 0.47UF 50WV		
C229,230			CK73FB1H103K	CHIP C 0.010UF K		
C231			CE04CW1A330M	ELECTRØ 33UF 10WV		
C232			CK73FB1H103K	CHIP C 0.010UF K		
C233			CK73FB1H271K	CHIP C 270PF K		
C234			CC73FCH1H221J	CHIP C 220PF J		
C235			CK73FB1H102K	CHIP C 1000PF K		
C236			CE04CW1E4R7M	ELECTRØ 4.7UF 25WV		
C238			C90-2610-05	ELECTRØ 2.2UF 50WV		
C239			CK73FB1H103K	CHIP C 0.010UF K		

D : KRC-254D

L : KRC-254L

N : KRC-254N

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KRC-254D/L/N

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C240 C241 C242 C243 C244			CK73FB1H332K CE04CW1HR33M CK73FB1H103K CE04CW1H010M CE04CW1E4R7M	CHIP C 3300PF K ELECTRO 0.33UF 50WV CHIP C 0.010UF K ELECTRO 1.0UF 50WV ELECTRO 4.7UF 25WV		
C245 C246, 247 C248 C249 C250			CK73FB1H332K CK73FB1H473K CK73EB1H104K CK73FB1H103K CE04CW1E4R7M	CHIP C 3300PF K CHIP C 0.047UF K CHIP C 0.10UF K CHIP C 0.010UF K ELECTRO 4.7UF 25WV		
C251 C252 C253 C254 C255			CK73FB1H562K C92-0501-05 CE04DW1A221M CK73FB1H682K C93-0025-05	CHIP C 5600PF K CHIP-TAN 1.5UF 6.3WV ELECTRO 220UF 10WV CHIP C 6800PF K CERAMIC 0.22UF K		
C256 C257 C258, 259 C260 C261		*	C092P2A391J CK73EB1H104K C93-0025-05 CK73FB1H560K CC73FCH1H270J	MYLAR 390PF J CHIP C 0.10UF K CERAMIC 0.22UF K CHIP C 56PF K CHIP C 27PF J	D	
C262 C301, 302 C303, 304 C305 C306			CC73FCH1H470J CK73FB1H182K CK73FB1H223K CK73FB1H182K CK73EB1H182K	CHIP C 47PF J CHIP C 1800PF K CHIP C 0.022UF K CHIP C 1800PF K CHIP C 1800PF K		
C307, 308 C309 C310 C401, 402 C403, 404			CC73FCH1H050C CE04CW1A101M CE04DW1A221M CE04CW1A221M CE04CW0J470M	CHIP C 5PF C ELECTRO 100UF 10WV ELECTRO 220UF 10WV ELECTRO 220UF 10WV ELECTRO 47UF 6.3WV		
C406 C410 C411-414 C415			CK73FB1H223K CE04CW1E4R7M CK73EB1H104K CK73EB1H104K	CHIP C 0.022UF K ELECTRO 4.7UF 25WV CHIP C 0.10UF K CHIP C 0.10UF K	D D	
CN901 CN902 CN904 CN908 DC1	1D 1C	*	E40-9138-05 E40-9140-05 E40-9138-05 E40-9290-08 E30-4082-08	CONNECTOR (7P) CONNECTOR (6P) CONNECTOR (7P) CONNECTOR (20P) CONNECTOR ASSY		
FW901 FW902 FW902 J901, 902 J903	1D 2D 2D	*	E39-0020-08 E39-0019-08 E39-0024-08 E40-9099-05 E39-0018-08	FLAT WIRE (7P) FLAT WIRE (4P) FLAT WIRE (4P) CONNECTOR (11P) CONNECTING WIRE	DN L	
P901, 902 P903 TP1, 2 TP3 TP4 TP6		*	E40-9080-05 E40-3766-05 E40-3445-15 E23-0136-05 E23-0136-05 E23-0136-05	BASE POST (11P) BASE POST (7P) SOCKET FOR PIN ASSY (2P) TERMINAL TERMINAL TERMINAL	D	
F1 F2	1C 1C		F05-6021-05 F05-1021-05	FUSE (6A) ACC FUSE (1A) B.U.		
CF1, 2			L72-0716-05	CERAMIC FILTER		

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L1 ,2 L3 L4 T1 X1			L40-1011-17 L40-4791-17 L39-0156-05 L30-0714-05 L77-1163-05	SMALL FIXED INDUCTOR(100UH) SMALL FIXED INDUCTOR(4.7UH,K) TRAP COIL FM IFT CRYSTAL RESONATOR (4.5MHz)	D	
R1 ,2 R3 ,4 R5 -8 R11 R13			RK73FB2B333J RK73FB2A222J RK73FB2A473J RK73FB2A223J RK73FB2A102J	CHIP R 33K J 1/8W CHIP R 2.2K J 1/10W CHIP R 47K J 1/10W CHIP R 22K J 1/10W CHIP R 1.0K J 1/10W		
R18 R19 ,20 R21 ,22 R22 R31 ,32			RK73FB2A101J RK73FB2A473J RK73FB2A102J RK73FB2A101J RK73FB2A271J	CHIP R 100 J 1/10W CHIP R 47K J 1/10W CHIP R 1.0K J 1/10W CHIP R 100 J 1/10W CHIP R 270 J 1/10W		
R33 ,34 R35 R36 R37 ,38 R39			RK73EB2B161J RK73FB2A102J RK73FB2A470J RK73FB2A223J RK73FB2A332J	CHIP R 160 J 1/8W CHIP R 1.0K J 1/10W CHIP R 47 J 1/10W CHIP R 22K J 1/10W CHIP R 3.3K J 1/10W		
R41 R42 R53 R54 R55			RK73FB2A472J RK73FB2A332J RK73FB2A473J RK73FB2A180J RK73EB2B102J	CHIP R 4.7K J 1/10W CHIP R 3.3K J 1/10W CHIP R 47K J 1/10W CHIP R 18 J 1/10W CHIP R 1.0K J 1/8W		
R56 R57 R58 R59 R60			RK73FB2A273J RK73FB2A223J RK73EB2B103J RK73FB2A180J RK73FB2A102J	CHIP R 27K J 1/10W CHIP R 22K J 1/10W CHIP R 10K J 1/8W CHIP R 18 J 1/10W CHIP R 1.0K J 1/10W		
R61 R65 R66 R67 R68			RK73EB2B102J RK73FB2A103J RD14DB2H561J RK73FB2A103J RD14DB2H102J	CHIP R 1.0K J 1/8W CHIP R 10K J 1/10W SMALL-RD 560 J 1/2W CHIP R 10K J 1/10W SMALL-RD 1.0K J 1/2W		
R69 R70 R71 R72 R73			RK73FB2A472J RK73FB2A222J RK73FB2A223J RK73FB2A332J RK73FB2A104J	CHIP R 4.7K J 1/10W CHIP R 2.2K J 1/10W CHIP R 22K J 1/10W CHIP R 3.3K J 1/10W CHIP R 100K J 1/10W		
R74 R75 R76 R78 R79			RK73FB2A103J RK73EB2B103J RK73EB2B223J RK73FB2A473J RK73EB2B222J	CHIP R 10K J 1/10W CHIP R 10K J 1/8W CHIP R 22K J 1/8W CHIP R 47K J 1/10W CHIP R 2.2K J 1/8W		
R80 R81 R82 R83 R84			RK73EB2B272J RK73FB2A102J RK73FB2A101J RK73EB2B331J RK73FB2A103J	CHIP R 2.7K J 1/8W CHIP R 1.0K J 1/10W CHIP R 100 J 1/10W CHIP R 330 J 1/8W CHIP R 10K J 1/10W		
R85 ,86 R88 R89 R90 R91 -93			RK73FB2A473J RK73FB2A473J RK73FB2A103J RK73FB2A473J RK73FB2A223J	CHIP R 47K J 1/10W CHIP R 47K J 1/10W CHIP R 10K J 1/10W CHIP R 47K J 1/10W CHIP R 22K J 1/10W		

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L : KRC-254L
N : KRC-254N

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KRC-254D/L/N

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R94			RK73EB2B102J	CHIP R 1.0K J 1/8W	D	
R96			RK73FB2A224J	CHIP R 220K J 1/10W	D	
R97			RK73FB2A684J	CHIP R 680K J 1/10W	D	
R98			RK73FB2A473J	CHIP R 47K J 1/10W	D	
R99			RK73FB2A431J	CHIP R 430 J 1/10W	D	
R100			RK73EB2B104J	CHIP R 100K J 1/8W	D	
R101			RK73FB2A182J	CHIP R 1.8K J 1/10W	D	
R102			RK73FB2A683J	CHIP R 68K J 1/10W	D	
R103			RK73FB2A244J	CHIP R 240K J 1/10W	D	
R104			RK73FB2A333J	CHIP R 33K J 1/10W	D	
R105			RK73FB2A123J	CHIP R 12K J 1/10W	D	
R106			RK73FB2A273J	CHIP R 27K J 1/10W	D	
R107			RK73FB2A563J	CHIP R 56K J 1/10W	D	
R108			RK73FB2A564J	CHIP R 560K J 1/10W	D	
R109			RD14DB2H2R2J	SMALL-RD 2.2 J 1/2W		
R110			RK73EB2B222J	CHIP R 2.2K J 1/8W		
R111			RK73EB2B101J	CHIP R 100 J 1/8W		
R117			RK73FB2A223J	CHIP R 22K J 1/10W	D	
R118, 119			RK73FB2A472J	CHIP R 4.7K J 1/10W	D	
R120			RK73FB2A222J	CHIP R 2.2K J 1/10W	D	
R121			RK73FB2A473J	CHIP R 47K J 1/10W		
R122			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R123, 124			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R125, 126			RK73EB2B132J	CHIP R 1.3K J 1/8W		
R127, 128			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R129			RK73FB2A223J	CHIP R 22K J 1/10W		
R131			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R133			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R134			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R135			RK73FB2A102J	CHIP R 1.0K J 1/10W	L	
R136			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R138			RK73FB2A472J	CHIP R 4.7K J 1/10W	D	
R139			RK73EB2B473J	CHIP R 47K J 1/8W		
R140			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R141			RK73EB2B103J	CHIP R 10K J 1/8W		
R142			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R143			RK73EB2B223J	CHIP R 22K J 1/8W		
R145			RK73EB2B223J	CHIP R 22K J 1/8W		
R146			RK73EB2B473J	CHIP R 47K J 1/8W		
R147			RK73EB2B223J	CHIP R 22K J 1/8W	D	
R148			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R150			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R151-154			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R155-158			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R159, 160			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R161, 162			RK73EB2B472J	CHIP R 4.7K J 1/8W		
R163, 164			RK73FB2A473J	CHIP R 47K J 1/10W		
R166			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R167			RK73FB2A242J	CHIP R 2.4K J 1/10W		
R201, 202			RK73FB2A473J	CHIP R 47K J 1/10W		
R203, 204			RK73FB2A181J	CHIP R 180 J 1/10W		
R205, 206			RK73FB2A334J	CHIP R 330K J 1/10W		
R207, 208			RK73FB2A163J	CHIP R 16K J 1/10W		
R209, 210			RK73FB2A223J	CHIP R 22K J 1/10W		
R211, 212			RK73FB2A752J	CHIP R 7.5K J 1/10W		

D : KRC-254D

L : KRC-254L

N : KRC-254N

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KRC-254D/L/N

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R213, 214 R215 R216 R217 R218			RK73FB2A222J RK73FB2A220J RK73FB2A223J RK73FB2A621J RK73FB2A222J	CHIP R 2.2K J 1/10W CHIP R 22 J 1/10W CHIP R 22K J 1/10W CHIP R 620 J 1/10W CHIP R 2.2K J 1/10W		
R219 R220 R221 R222 R223, 224			RK73FB2A561J RK73EB2B101J RK73FB2A131J RK73FB2A181J RK73FB2A331J	CHIP R 560 J 1/10W CHIP R 100 J 1/8W CHIP R 130 J 1/10W CHIP R 180 J 1/10W CHIP R 330 J 1/10W		
R225 R226 R227, 228 R229 R230			RK73FB2A103J RK73FB2A123J RK73FB2A473J RK73FB2A100J RK73FB2A184J	CHIP R 10K J 1/10W CHIP R 12K J 1/10W CHIP R 47K J 1/10W CHIP R 10 J 1/10W CHIP R 180K J 1/10W		
R231 R232 R233 R234 R235			RK73FB2A104J RK73FB2A562J RK73FB2A222J RK73FB2A473J RK73FB2A472J	CHIP R 100K J 1/10W CHIP R 5.6K J 1/10W CHIP R 2.2K J 1/10W CHIP R 47K J 1/10W CHIP R 4.7K J 1/10W		
R236 R237 R238 R239 R240			RK73FB2A103J RK73FB2A183J RK73FB2A103J RK73FB2A123J RK73FB2A752J	CHIP R 10K J 1/10W CHIP R 18K J 1/10W CHIP R 10K J 1/10W CHIP R 12K J 1/10W CHIP R 7.5K J 1/10W		
R241 R242 R243 R244 R245			RK73FB2A152J RK73FB2A224J RK73FB2A222J RK73FB2A473J RK73FB2A104J	CHIP R 1.5K J 1/10W CHIP R 220K J 1/10W CHIP R 2.2K J 1/10W CHIP R 47K J 1/10W CHIP R 100K J 1/10W		
R246 R247 R248 R249, 250 R251			RK73FB2A123J RK73FB2A332J RK73FB2A680J RK73FB2A102J RK73FB2A223J	CHIP R 12K J 1/10W CHIP R 3.3K J 1/10W CHIP R 68 J 1/10W CHIP R 1.0K J 1/10W CHIP R 22K J 1/10W		
R311 R312 R313, 314 R315 R316			RK73FB2A472J RK73EB2B472J RK73EB2B100J RK73FB2A472J RK73EB2B472J	CHIP R 4.7K J 1/10W CHIP R 4.7K J 1/8W CHIP R 10 J 1/8W CHIP R 4.7K J 1/10W CHIP R 4.7K J 1/8W		
R317, 318 R319, 320 R324 R325 R401			RK73FB2A123J RK73EB2B102J RK73EB2B222J RK73EB2B242J RK73EB2B2R2J	CHIP R 12K J 1/10W CHIP R 1.0K J 1/8W CHIP R 2.2K J 1/8W CHIP R 2.4K J 1/8W CHIP R 2.2 J 1/8W		
R402 R403-405 R406 R409 R410			RK73EB2B102J RK73FB2A472J RK73FB2A222J RK73FB2A123J RK73FB2A154J	CHIP R 1.0K J 1/8W CHIP R 4.7K J 1/10W CHIP R 2.2K J 1/10W CHIP R 12K J 1/10W CHIP R 150K J 1/10W		
R415 R416 R421 VR1 VR2			RK73FB2A472J RS14DB3D2R2J RK73FB2A473J R12-3685-05 R12-0605-05	CHIP R 4.7K J 1/10W FL-PROOF RS 2.2 J 2W CHIP R 47K J 1/10W TRIMMING POT. (10K) TRIMMING POT. (220)	D	

D : KRC-254D
L : KRC-254L
N : KRC-254N

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KRC-254D/L/N

PARTS LIST

× New Parts

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ELECTRIC UNIT

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
VR5 VR6 VR7 VR8 VR9	3D	*	R12-3100-05 R12-3101-05 R12-1071-05 R12-1073-05 R29-0615-08	TRIMMING POT.(10K) TRIMMING POT.(22K) TRIMMING POT.(2.2K) TRIMMING POT.(4.7K) POTENTIOMETER		
VR10,11 W101-104 W105,106 W108,109 W110	1D	*	R10-0628-08 R92-2053-05 R92-2052-05 R92-2052-05 R92-2053-05	POTENTIOMETER CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/10W CHIP R 0 J 1/8W		
W111 W112-116 W117 W118-123 W124,125			R92-2052-05 R92-2053-05 R92-2052-05 R92-2053-05 R92-2052-05	CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W	D	
W126-130 W131-135 W136 W137 W138-143			R92-2053-05 R92-2052-05 R92-2053-05 R92-2052-05 R92-2053-05	CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W		
W144 W145-149 W150 W151-153 W154,155			R92-2052-05 R92-2053-05 R92-2052-05 R92-2053-05 R92-2052-05	CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W		
W156 W157 W158,159 W160 W161-163			R92-2053-05 R92-2052-05 R92-2052-05 R92-2053-05 R92-2052-05	CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W	D	
W164-166 W167 W168 W169,170 W171,172			R92-2053-05 R92-2052-05 R92-2053-05 R92-2052-05 R92-2052-05	CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/10W	LN	
W501 W502,503 W504-508 W509 W510			R92-2053-05 R92-2052-05 R92-2053-05 R92-2052-05 R92-2053-05	CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W		
W511 W512 W513 W514,515 W516,517			R92-2052-05 R92-2053-05 R92-2052-05 R92-2053-05 R92-2052-05	CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W	D	
W518,519 W520,521 W541-544 W545 W546			R92-2053-05 R92-2052-05 R92-2052-05 R92-2053-05 R92-2052-05	CHIP R 0 J 1/8W CHIP R 0 J 1/10W CHIP R 0 J 1/10W CHIP R 0 J 1/8W CHIP R 0 J 1/10W		
W581,582			R92-2052-05	CHIP R 0 J 1/10W		
S901-913		*	S70-0817-08	TACT SWITCH		
D1			DAP202K	DIODE		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
D2			RD6.8E(B1)	ZENER DIODE		
D3 ,4			1SR139-100	DIODE		
D5 ,6			MA110	DIODE		
D7			DAN202K	DIODE		
D9			1SS133	DIODE		
D16			MA110	DIODE		
D17		*	RD6.2ES(B3)	ZENER DIODE		
D18			1SS133	DIODE	D	
D19			1SS133	DIODE	L	
D22 -25			MA110	DIODE		
D26			RD11ES(B2)	ZENER DIODE		
D30			1SS133	DIODE		
D31			MA110	DIODE		
D32			1SS133	DIODE		
D33		*	RD7.5ES(B1)	ZENER DIODE		
D401		*	RD10ES(B1)	ZENER DIODE		
D402			1SS133	DIODE		
D403		*	RD6.2ES(B3)	ZENER DIODE		
D404			1SS133	DIODE		
D408			1SR139-100	DIODE		
D409			ERA15-01	DIODE		
D410			1SR139-100	ZENER DIODE	D	
IC1			BA3430F	IC(PRE AMP)		
IC2			LA1140	IC(FM IF/DETECTION)		
IC3			AN7465K	IC(N.C./MPX)		
IC4			TDA1579	IC(DECODER)	D	
IC5			NJM4565L-D	IC(OP AMP X2)	D	
IC6			UPD4066BG	IC(BILATERAL SWITCH X4)		
IC9			LC7232N-8437	IC		
IC10,11			NJM4565L-D	IC(OP AMP X2)		
IC12	1D		TA8215H	IC(AF POWER AMP)		
Q1			DTC144EK	DIGITAL TRANSISTOR		
Q2			DTA144EK	DIGITAL TRANSISTOR	L	
Q3			DTA144EK	DIGITAL TRANSISTOR		
Q7 -9			DTC144EK	DIGITAL TRANSISTOR		
Q10 -12			2SC2412K	TRANSISTOR		
Q13			DTC144EK	DIGITAL TRANSISTOR	D	
Q14	2D		2SB1370	TRANSISTOR		
Q15			2SC2412K	TRANSISTOR		
Q20			2SK669	FET		
Q21			2SA1037K	TRANSISTOR	D	
Q22			2SA1037K	TRANSISTOR		
Q23			DTC144EK	DIGITAL TRANSISTOR		
Q24			2SA1037K	TRANSISTOR		
Q25 ,26			2SD1757K	TRANSISTOR		
Q27 ,28			2SD1757K	TRANSISTOR	D	
Q29 -32			2SC2412K	TRANSISTOR		
Q33			DTC114EK	DIGITAL TRANSISTOR		
Q34			2SA1428	TRANSISTOR		
Q35			DTC114EK	DIGITAL TRANSISTOR		
Q36			2SA1428	TRANSISTOR		
Q41			2SA1037K	TRANSISTOR		
Q42			DTC144EK	DIGITAL TRANSISTOR		
Q51			2SC2413K	TRANSISTOR		
Q52 -54			2SC2412K	TRANSISTOR		

D : KRC-254D

L : KRC-254L

N : KRC-254N

 indicates safety critical components.

KRC-254D/L/N

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ELECTRIC UNIT
MECHANISM ASSY (D40-1045-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
Q55 Q401 Q402, 403 Q404, 405 Q406, 407			DTC144EK 2SD1266BD 2SA1036K DTC144EK 2SC2412K	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
Q408			DTA114EK	DIGITAL TRANSISTOR		
BA1	3D		W09-0731-05	BATTERY		
TU1	3D	*	W02-1404-08	FM/AM FRONT-END	DN	
TU1	3D	*	W02-1406-08	FM/AM FRONT-END	L	
MECHANISM ASSY (D40-1045-08)						
1	2A		A10-2089-08	CHASSIS CALKED ASSY		
2	2B		J21-7207-08	MOUNTING HARDWARE		
3	3A		D14-0616-08	ROLLER A		
4	3A		N24-3012-41	E TYPE RETAINING RING		
5	2B		D14-0617-08	ROLLER B		
6	2B		D14-0618-08	PINCH ROLLER F		
7	2A		D14-0619-08	PINCH ROLLER R		
8	3A		D10-2666-08	LEVER (FR CAM)		
9	2B		D10-2667-08	LEVER (PROGRAM)		
10	2A		G01-2560-08	TENSION SPRING		
11	3A		D13-1079-08	GEAR (IDLE)		
12	3A, 3B		D13-1081-08	GEAR (TAKE UP)		
13	2B		D15-0908-08	PULLEY		
14	3B		D10-2668-08	LEVER		
15	3B		D10-2679-08	LEVER		
16	3B		G01-2557-08	TENSION SPRING		
17	3A, 3B		D01-0603-08	FLYWHEEL		
20	3A		D10-2669-08	LEVER		
21	2A		D10-2670-08	LEVER (LOCK)		
22	2A		G01-2218-08	TENSION SPRING		
23	2A		N84-2004-45	SCREW (M2X4)		
25	3B		D13-1078-08	GEAR		
30	3A		A11-0848-08	SUB CHASSIS ASSY		
31	3A		A11-0847-08	SUB CHASSIS ASSY		
32	3A		D13-1077-08	GEAR (SWITCHING)		
33	3A		G01-2563-08	TORSION SPRING		
35	3A		G01-2579-18	TENSION SPRING		
36	3A		G02-0473-08	FLAT SPRING		
37	3A		D10-2645-18	LEVER		
38	3A		D10-2671-18	LEVER		
39	3A		G10-1012-08	FELT		
40	3A		D03-0305-08	REEL DISK		
41	2B		N14-0701-08	NUT		
43	2B		N30-2004-46	SCREW (M2X4)		
44	2B		G01-2573-08	TORSION SPRING		
45	2B		G01-2571-08	TENSION SPRING		
51	2A		D10-2672-08	LEVER (EJECT)		
52	2A		G01-2216-08	TENSION SPRING		
53	2A		D10-2673-08	ACTION ARM		
54	2A		G01-2217-08	TENSION SPRING		
60	1B		J19-4387-08	HOLDER		
61	1B		J19-4380-08	HOLDER		
63	1B		G01-2212-08	TENSION SPRING		
64	1B		D10-2130-08	LEVER (INV)		

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L : KRC-254L
N : KRC-254N

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KRC-254D/L/N

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MECHANISM ASSY (D40-1045-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
65	1A		J90-0610-08	CASSETTE GUIDE		
66	1A		G01-2225-08	TORSION SPRING		
67	1A		G09-0093-08	SPRING		
68	1A		J19-2990-08	HOLDER		
69	1B		N39-2004-08	SCREW (M2X4)		
70	1A		G11-1065-08	CUSHION		
71	1B		J21-7252-08	MOUNTING HARDWARE		
72	1B		D10-2674-08	LEVER (RELEASE)		
73	1B		G01-2574-08	TORSION SPRING		
74	1B		G01-2556-08	TENSION SPRING		
77	1B		N39-1706-45	SCREW (M1.7X6)		
78	1B		D10-2675-08	LEVER (REW)		
79	1B		D10-2676-08	LEVER (FF)		
81	1B		G01-2572-08	TENSION SPRING		
83	1B		N09-4039-08	SCREW		
85	2B		J74-0081-08	PRINTED WIRING BOARD		
86	2B		J84-0009-08	PRINTED WIRING BOARD (FPC)		
92	2A		N39-2002-46	SCREW (M2X2)		
101	2A		J21-7205-08	MOUNTING HARDWARE		
102	2A		D10-2664-08	LEVER		
103	2A		G01-2567-08	TENSION SPRING		
109	2A		N30-2003-08	SCREW (M2X3)		
112	3B		D16-0605-08	BELT		
113	3B		C91-0692-05	CERAMIC 0.047UF M		
115	3B		J61-0081-05	WIRE BAND		
121	1A		D10-2658-08	ARM		
122	1A		D10-2678-08	LEVER		
123	1A		J12-0647-08	PIN		
124	1A		G01-2562-08	TORSION SPRING		
125	2B		J90-0722-08	CASSETTE GUIDE		
126	2B		N09-4009-08	SCREW (M2X5)		
127	1B		N35-2006-46	SCREW (M2.6X6)		
131	2B		T94-0405-08	SOLENOID		
132	2B		J21-7251-08	MOUNTING HARDWARE		
134	3B	*	E39-0018-08	CONNECTING WIRE		
136	1B		D10-2685-08	LEVER		
137	1B		D10-2686-08	LEVER		
138	1B		D10-2687-08	LEVER		
139	1B		G01-2577-08	TENSION SPRING		
140	1B		G01-2578-08	TENSION SPRING		
141	3B		N39-2002-46	PAN HEAD MACHINE SCREW		
142	3B		N39-2003-46	PAN HEAD MACHINE SCREW		
152	2B, 3B		N90-2003-46	SCREW (M2X3)		
153	3A		N30-2603-46	SCREW (M2.6X3)		
161	3A, 3B		N19-1144-08	FLAT WASHER		
162	2B, 3A		N19-1134-08	FLAT WASHER		
163	2A, 2B		N19-1135-08	FLAT WASHER		
164	3A, 3B		N19-1137-08	FLAT WASHER		
181	2A		E40-9127-05	PIN CONNECTOR		
C1	2A		CE04DW1C221M	ELECTRO 220UF 16WV		
HD1	2B		T31-0205-08	PLAYBACK HEAD		
M1	2A		T42-0716-08	DC MOTOR ASSY		
S1	2A		S31-3633-08	SLIDE SWITCH		
S2	3B		S31-3634-08	SLIDE SWITCH		

D : KRC-254D
L : KRC-254L
N : KRC-254N

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KRC-254D/L/N

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MECHANISM ASSY (D40-1045-08)

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S3 S4	1B 1B		S46-1606-08 S46-1607-08	LEAF SWITCH LEAF SWITCH		

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KRC-254D/L/N

SPECIFICATIONS

Specifications subject to change without notice.

FM Tuner Section

Frequency Range	87.5 MHz – 108.0 MHz
Usable Sensitivity (DIN)	1.1 μ V/75 ohms
Stereo Sensitivity (S/N = 46 dB)	1.6 μ V/75 ohms
Frequency Response (± 4.5 dB)	30 Hz – 15 kHz
Signal to Noise Ratio (IEC-A)	68 dB
Selectivity (DIN)	70 dB
Stereo Separation (1 kHz)	35 dB
19 kHz Carrier Leakage	65 dB

MW Tuner Section

Frequency Range	531 kHz – 1,611 kHz
Usable Sensitivity	30 μ V

LW Tuner Section (KRC-254L only)

Frequency Range	153 kHz – 281 kHz
Usable Sensitivity	60 μ V

Cassette Deck Section

Tape Speed	4.76 cm/sec.
Wow & Flutter	0.12% (WRMS)
Fast Winding Time (C-60)	100 sec.
Frequency Response (120 μ s)	30 Hz – 14 kHz (+4 dB, -6 dB)
(70 μ s)	30 Hz – 16 kHz (+4 dB, -6 dB)
Stereo Separation (1 kHz)	40 dB
Signal to Noise Ratio	52 dB

Audio Section

Maximum Output Power	25 W $\times$ 2 or 15 W $\times$ 4
Rated Output Power (10% THD, 1kHz, 4 ohms)	20 W $\times$ 2
(1% THD, 1 kHz, 4 ohms)	15 W $\times$ 2
Tone Action	Bass: 100 Hz $\pm$ 10 dB Treble: 10 kHz $\pm$ 10 dB

General

Operating Voltage	14.4 V (11– 16 V allowable)
Current Consumption	5.5 A at Rated Power
Dimensions (W $\times$ H $\times$ D)	188 $\times$ 58 $\times$ 179 mm
Installation Size (W $\times$ H $\times$ D)	182 $\times$ 52 $\times$ 161 mm
Weight	1,900 g

KENWOOD follows a policy of continuous advancements in development.

For this reason specifications may be changed without notice.

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Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

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KENWOOD strebt ständige Verbesserungen in der Entwicklung an.

Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

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